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Title: Purified and Isolated Potassium-Chloride Cotransporter
Nucleic Acids and Polypeptides and Therapeutic and
Screening Methods Using Same
Applicant: Mount et al.
Serial No.: 09/835,976

COPY

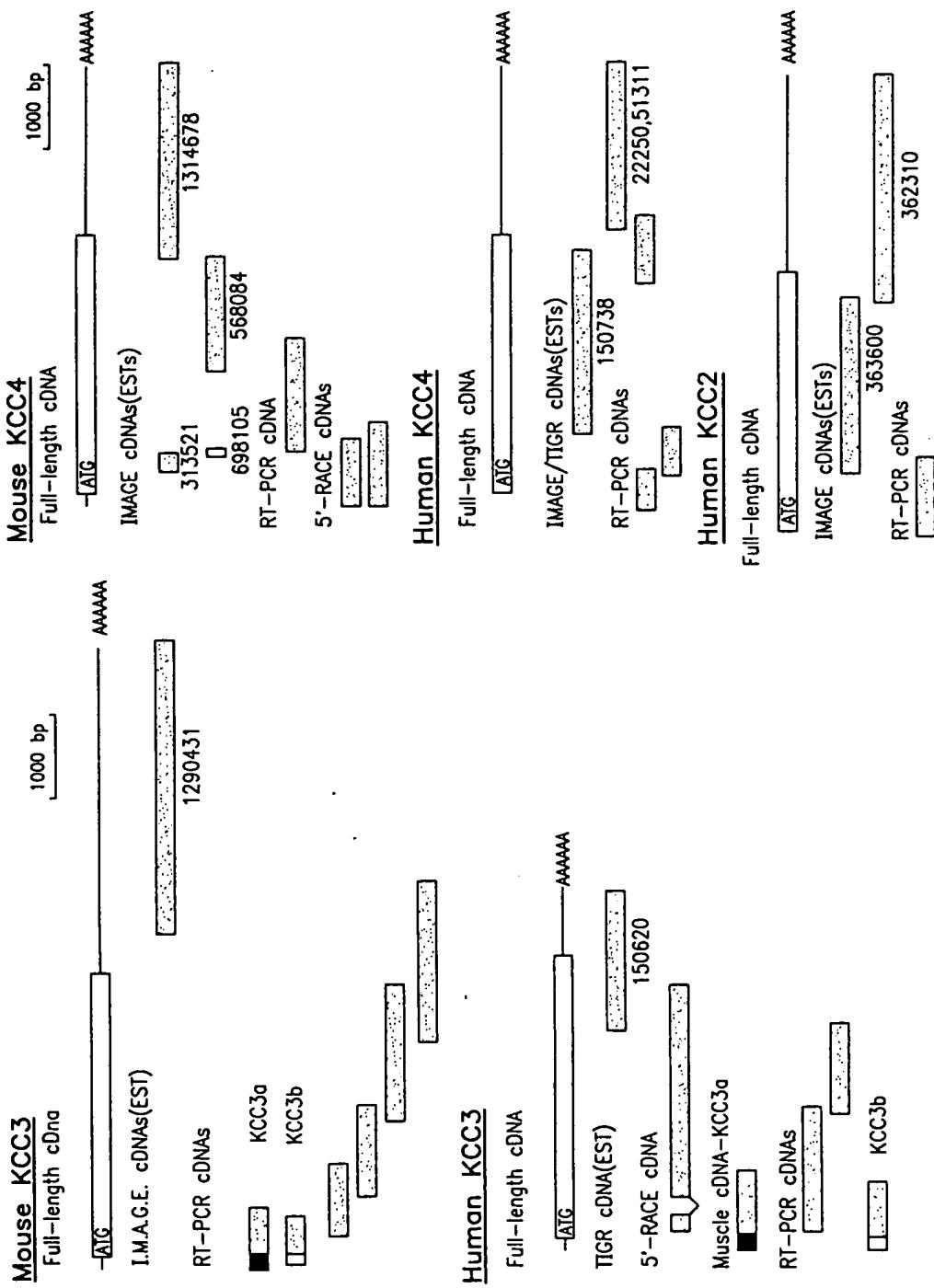


FIG. 1

COPY

FIG. 2A

COPY

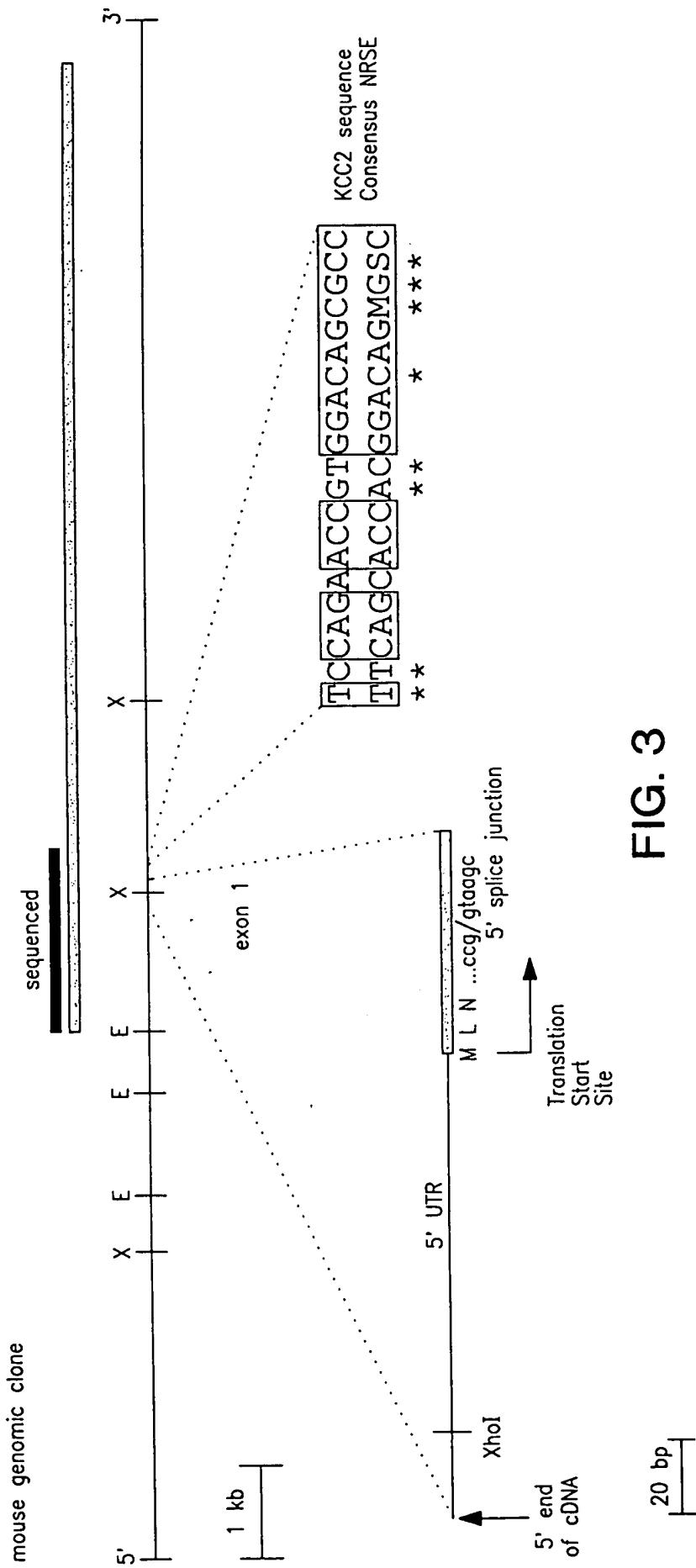


FIG. 3

COPY

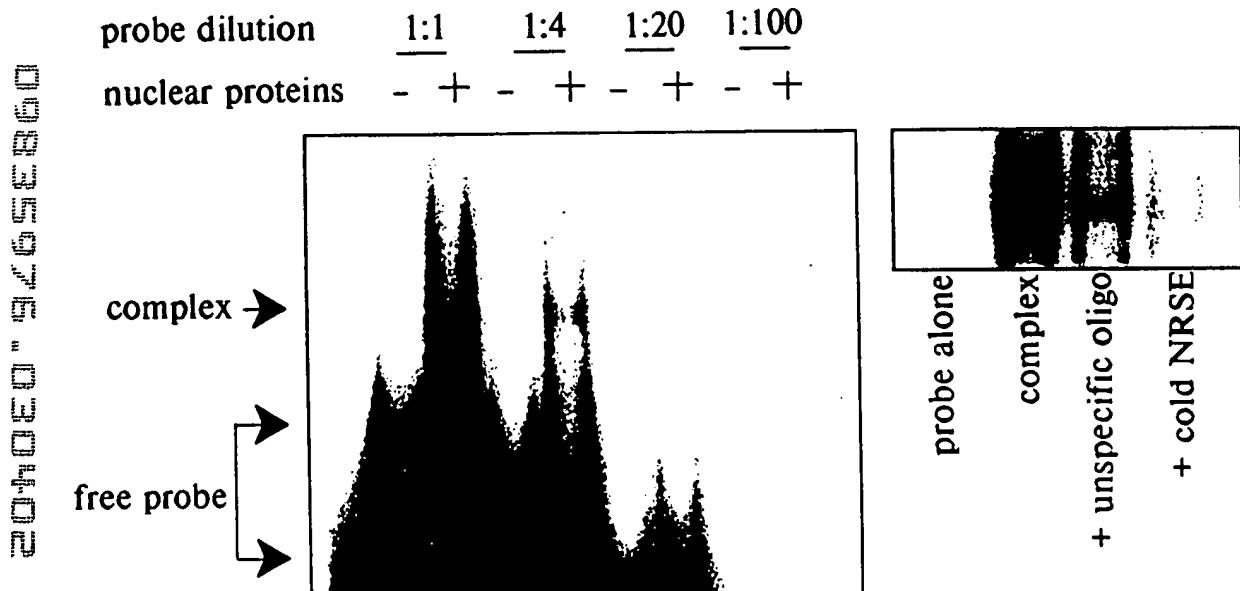


FIG. 4A

FIG. 4B

Title: Purified and Isolated Potassium-Chloride Cotransporter
Nucleic Acids and Polypeptides and Therapeutic and
Screening Methods Using Same
Applicant(s): Mount et al.
Serial No.: 09/835,976

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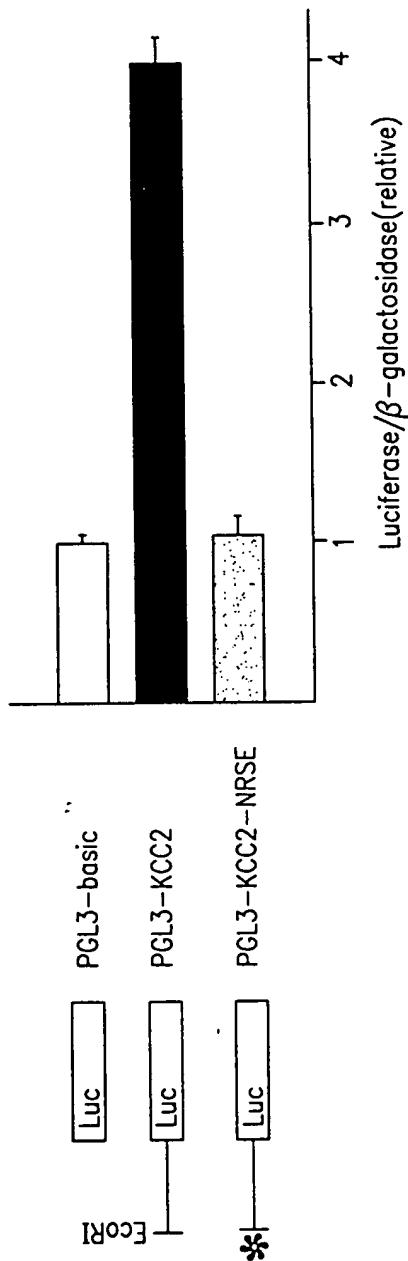


FIG. 5

COPY

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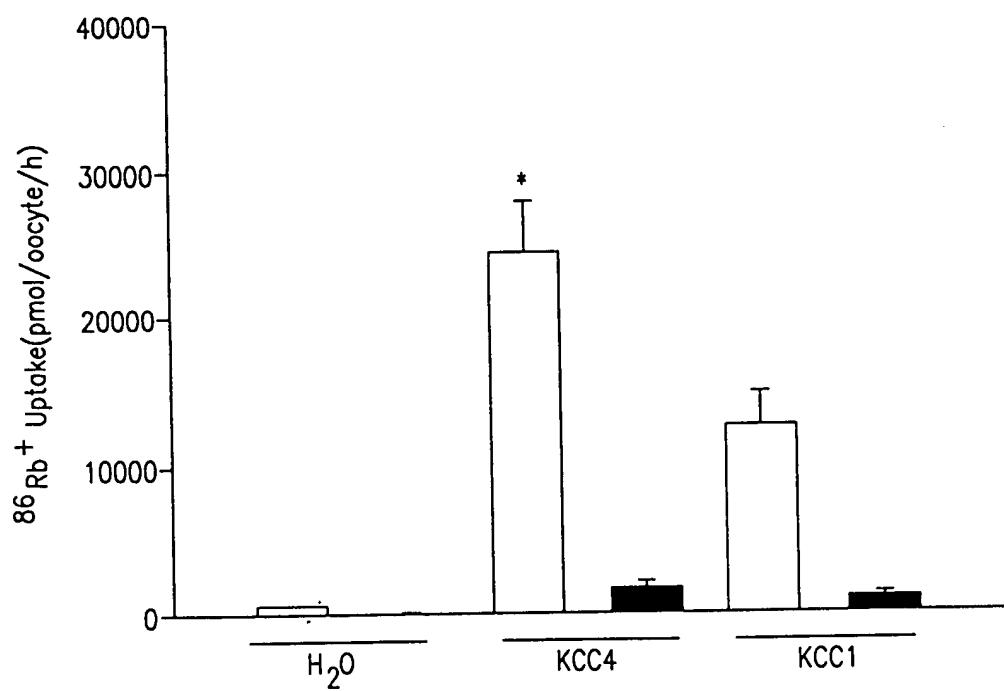
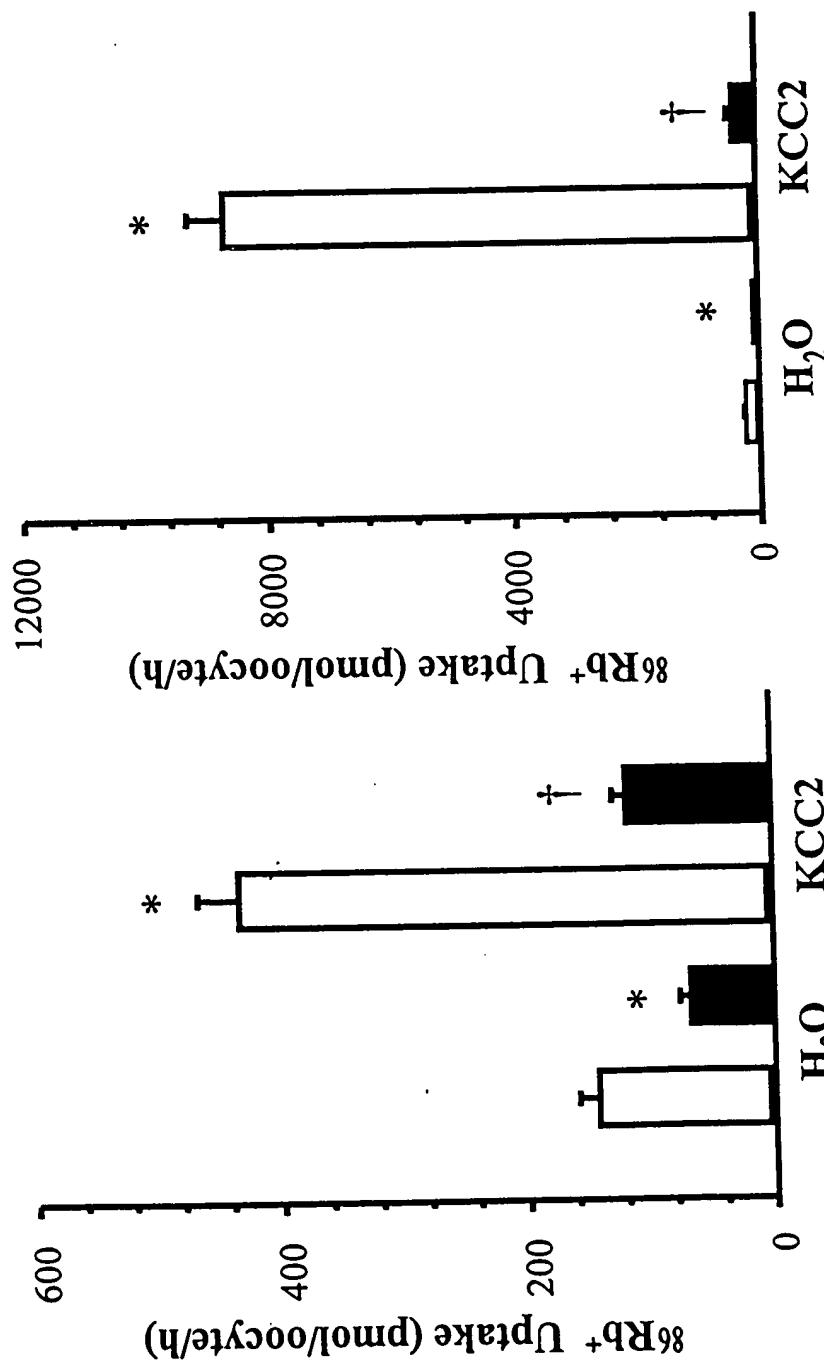


FIG. 6

COPY



COPY

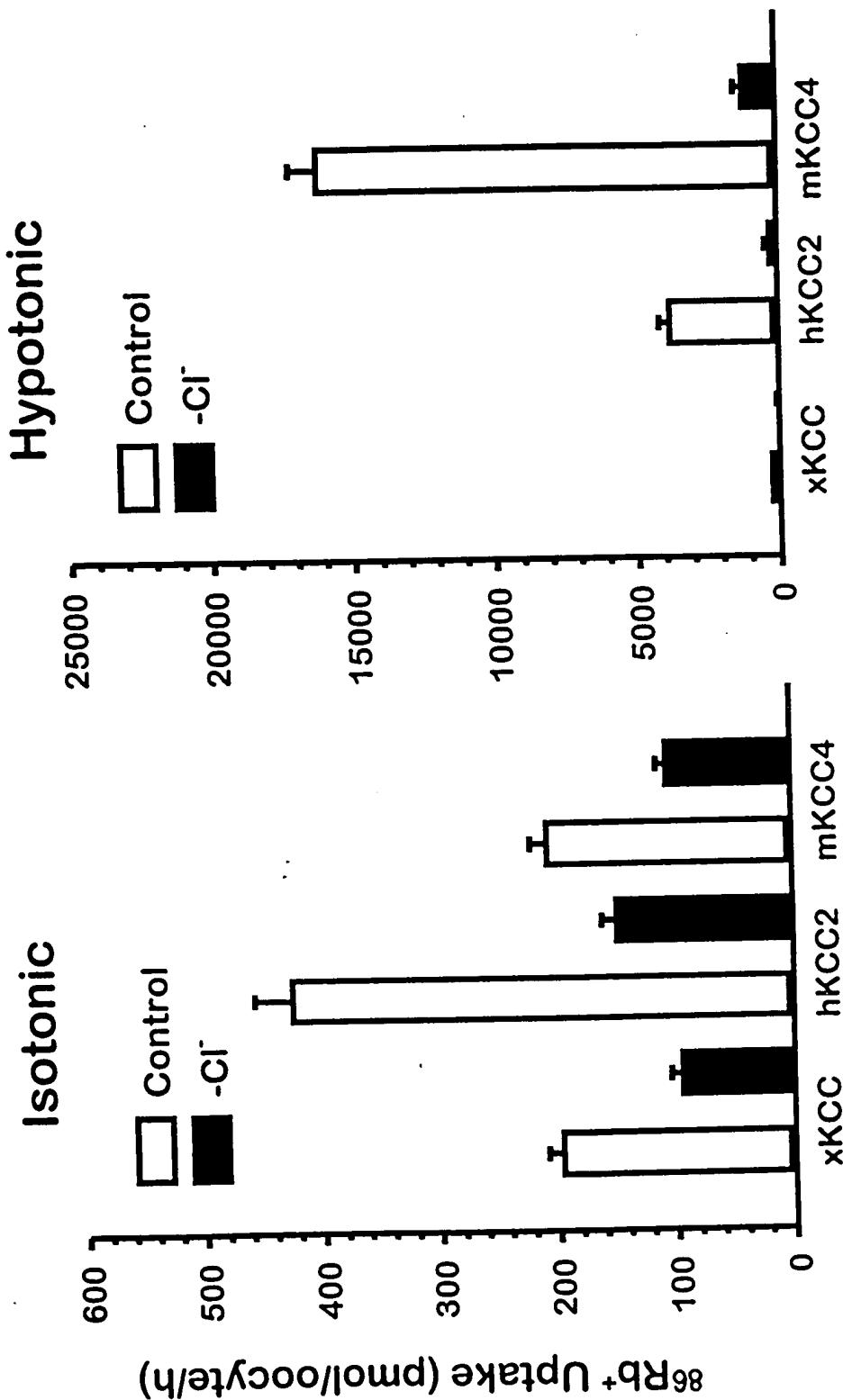


FIG. 8

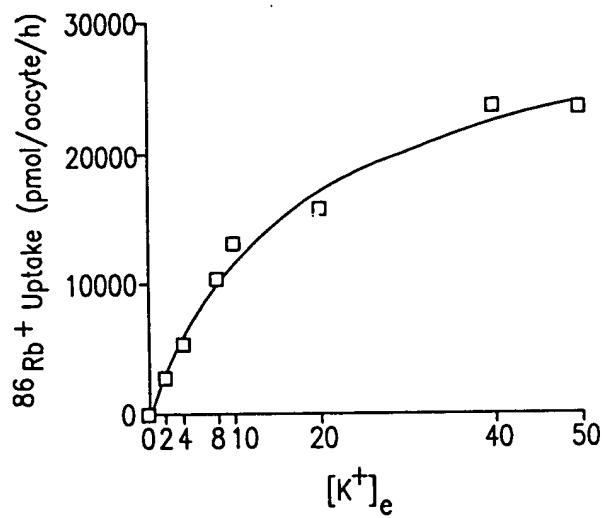


FIG. 9A

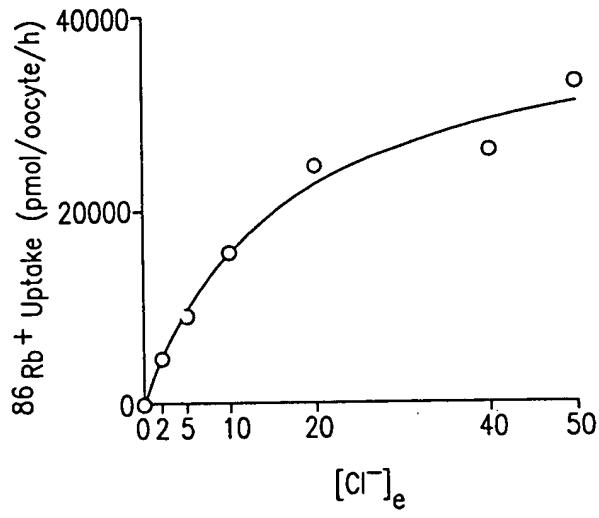


FIG. 9B

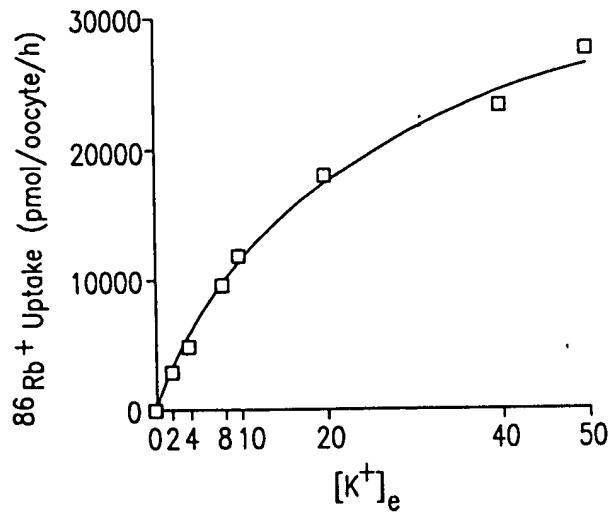


FIG. 9C

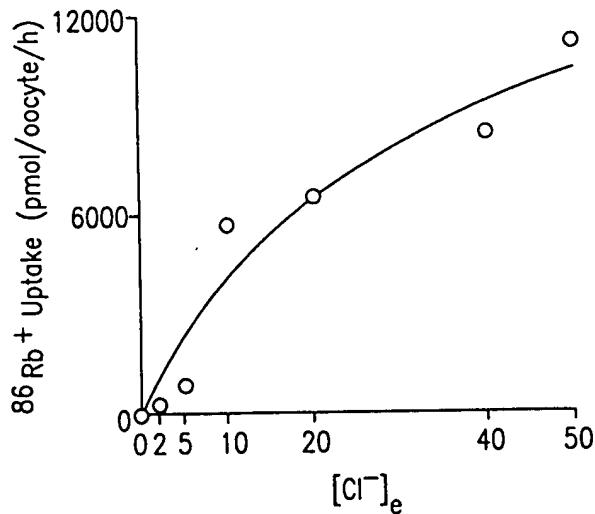


FIG. 9D

COPY

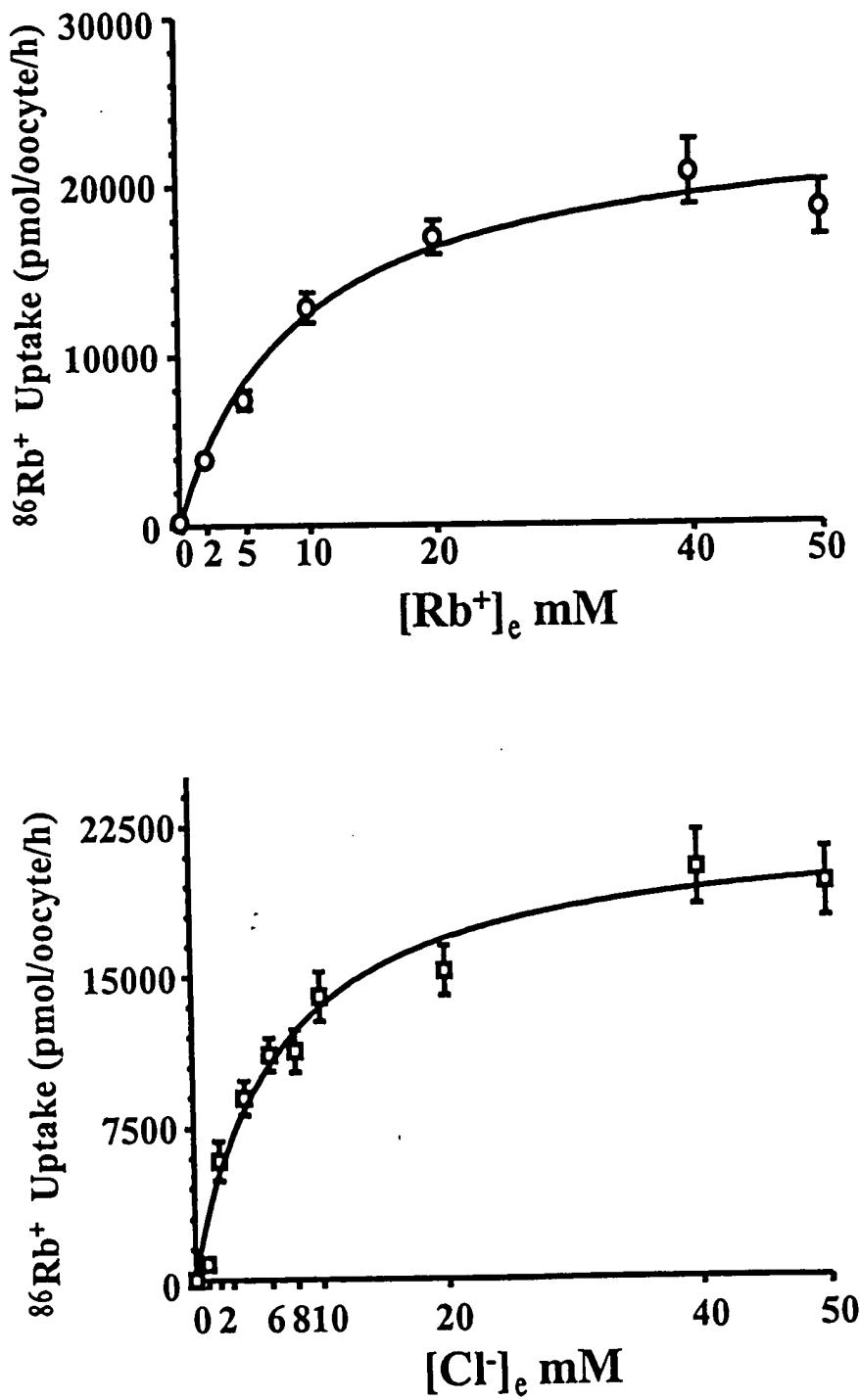


FIG. 10

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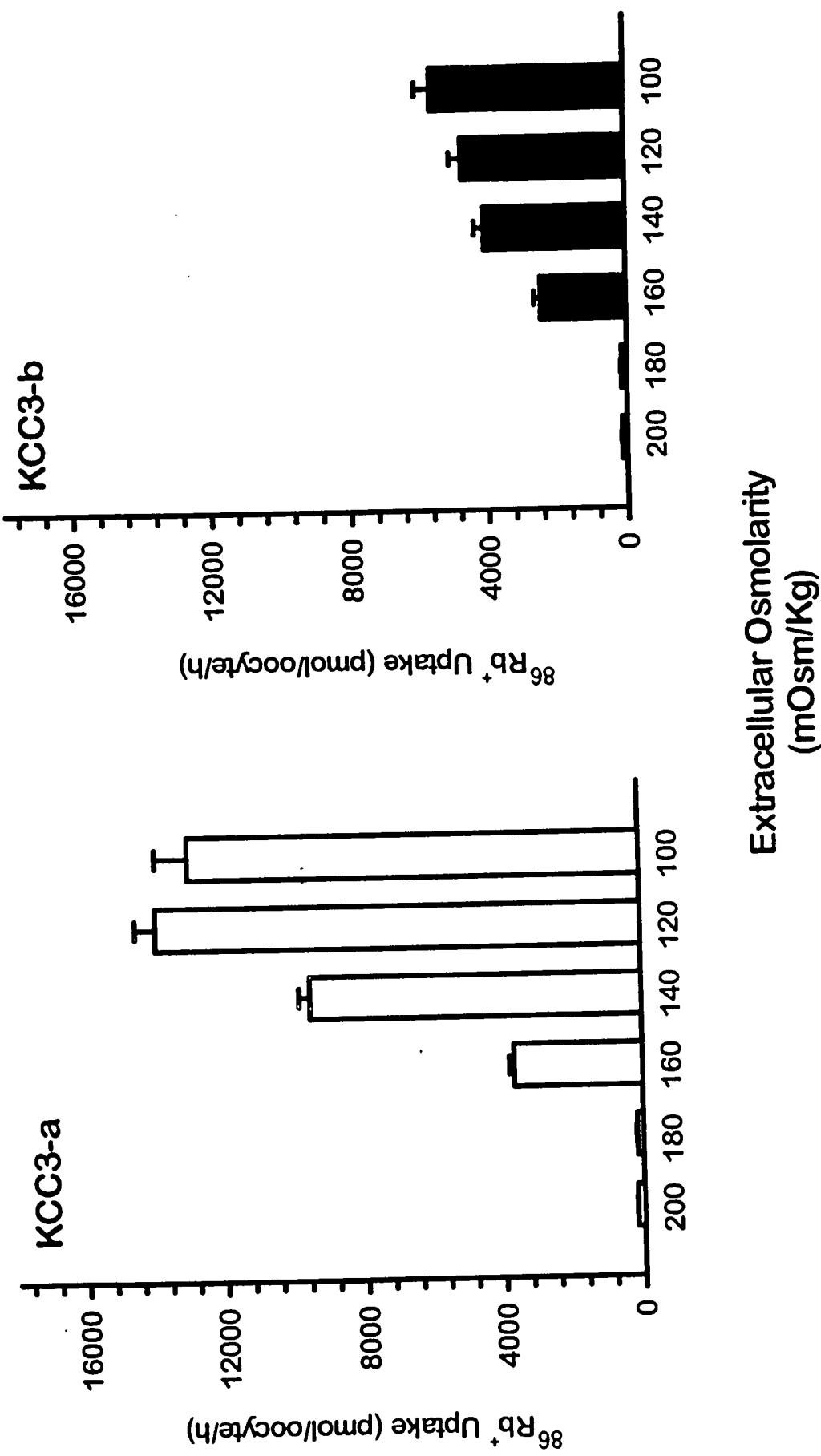


FIG. 11

COPY

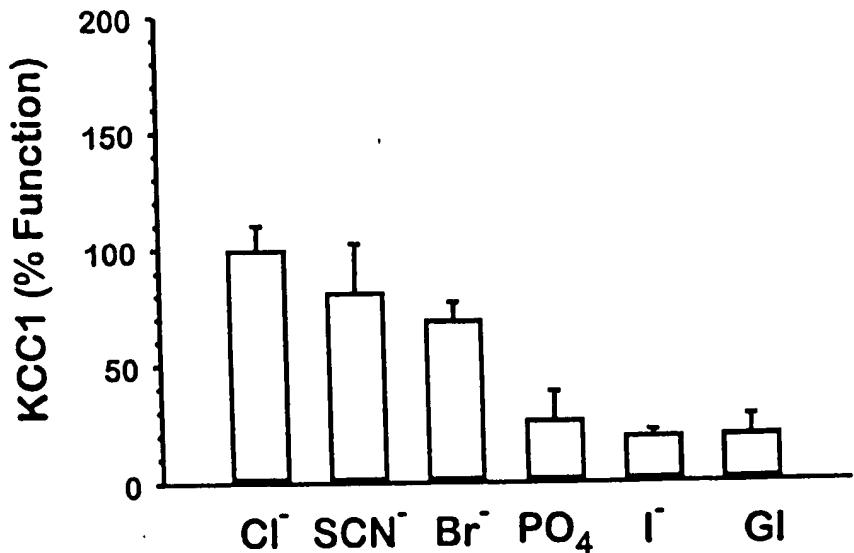
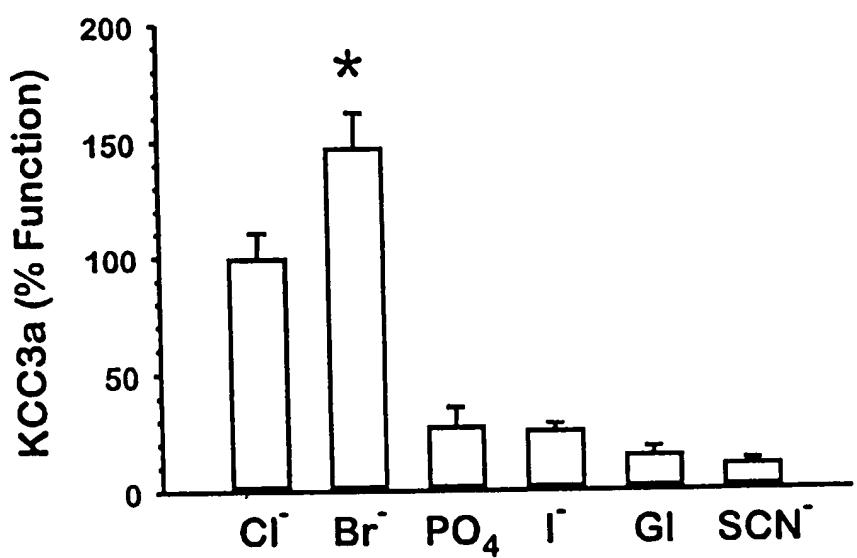
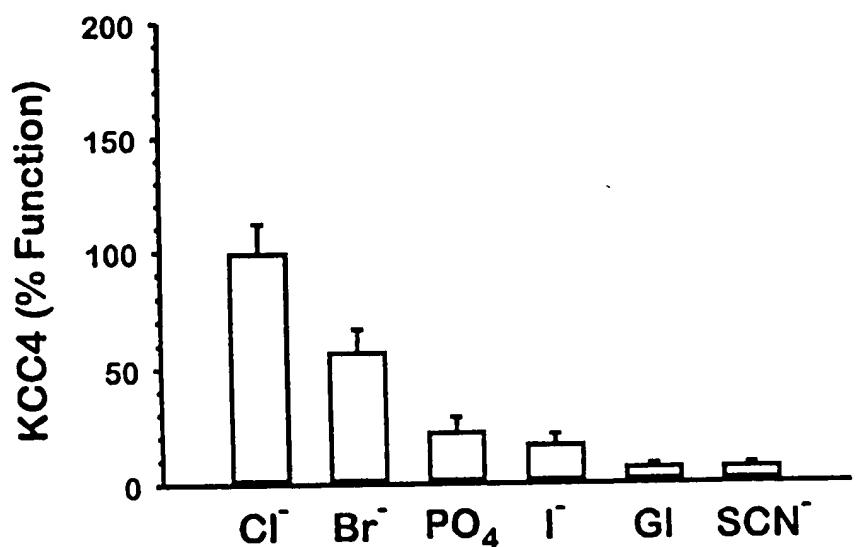


FIG. 12

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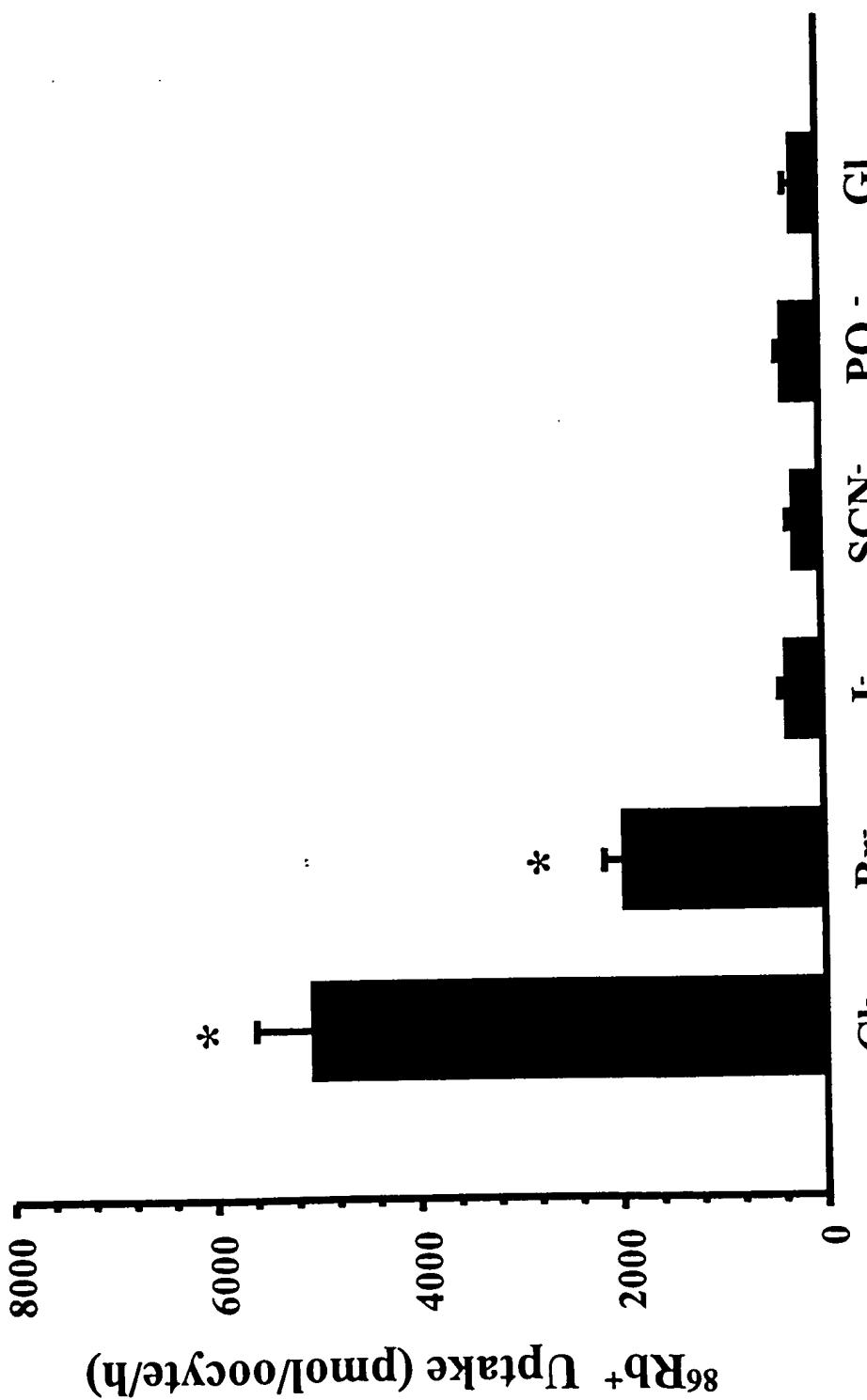


FIG. 13

COPY

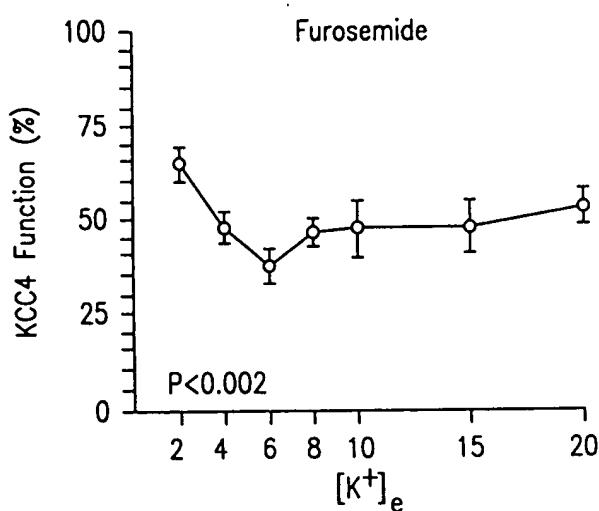


FIG. 14A

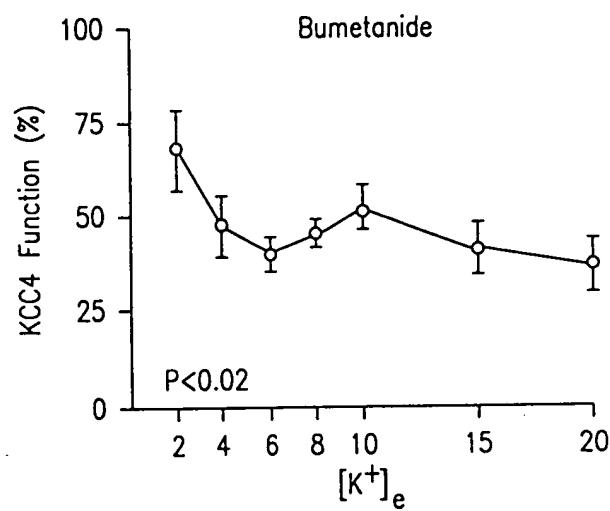


FIG. 14B

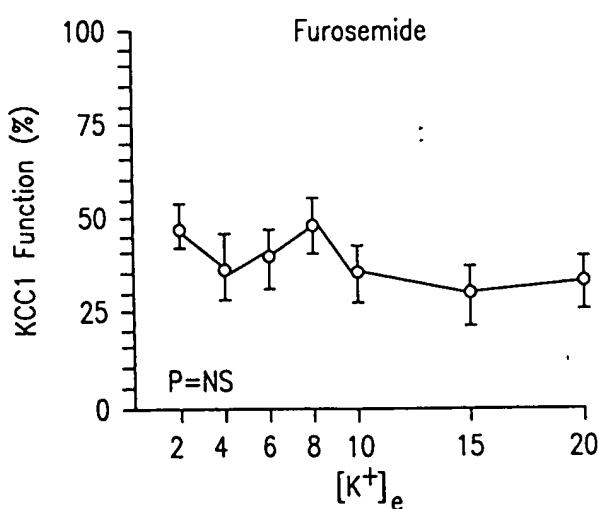


FIG. 14C

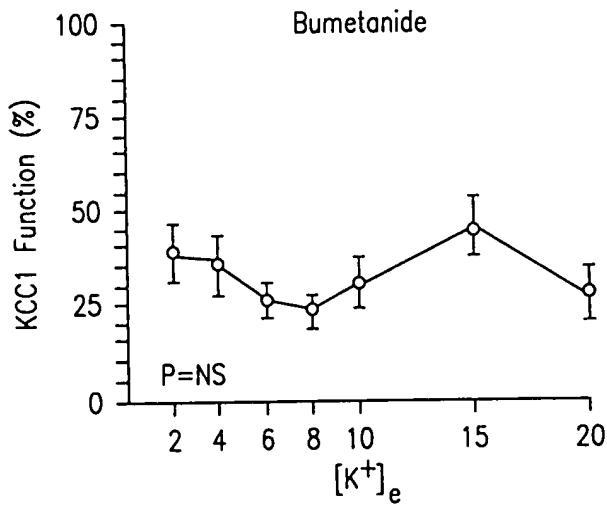


FIG. 14D

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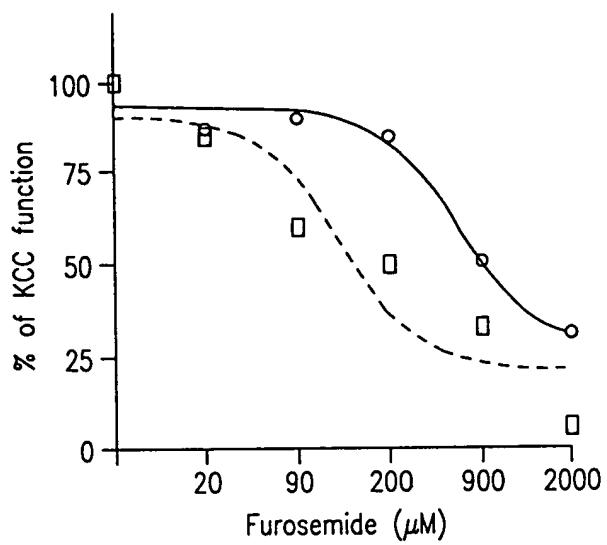


FIG. 15A

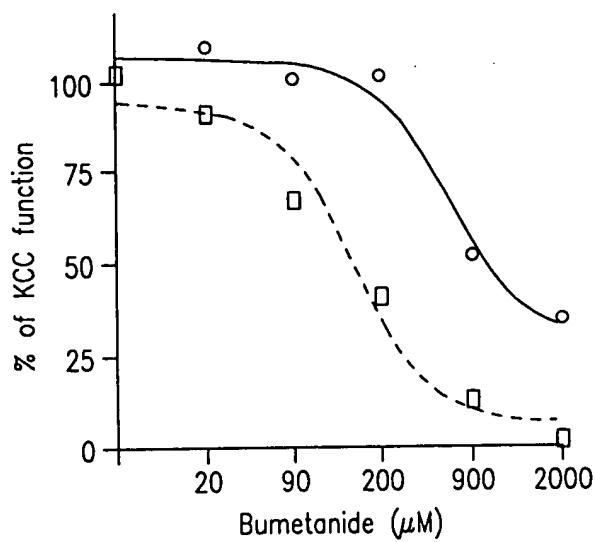


FIG. 15B

COPY

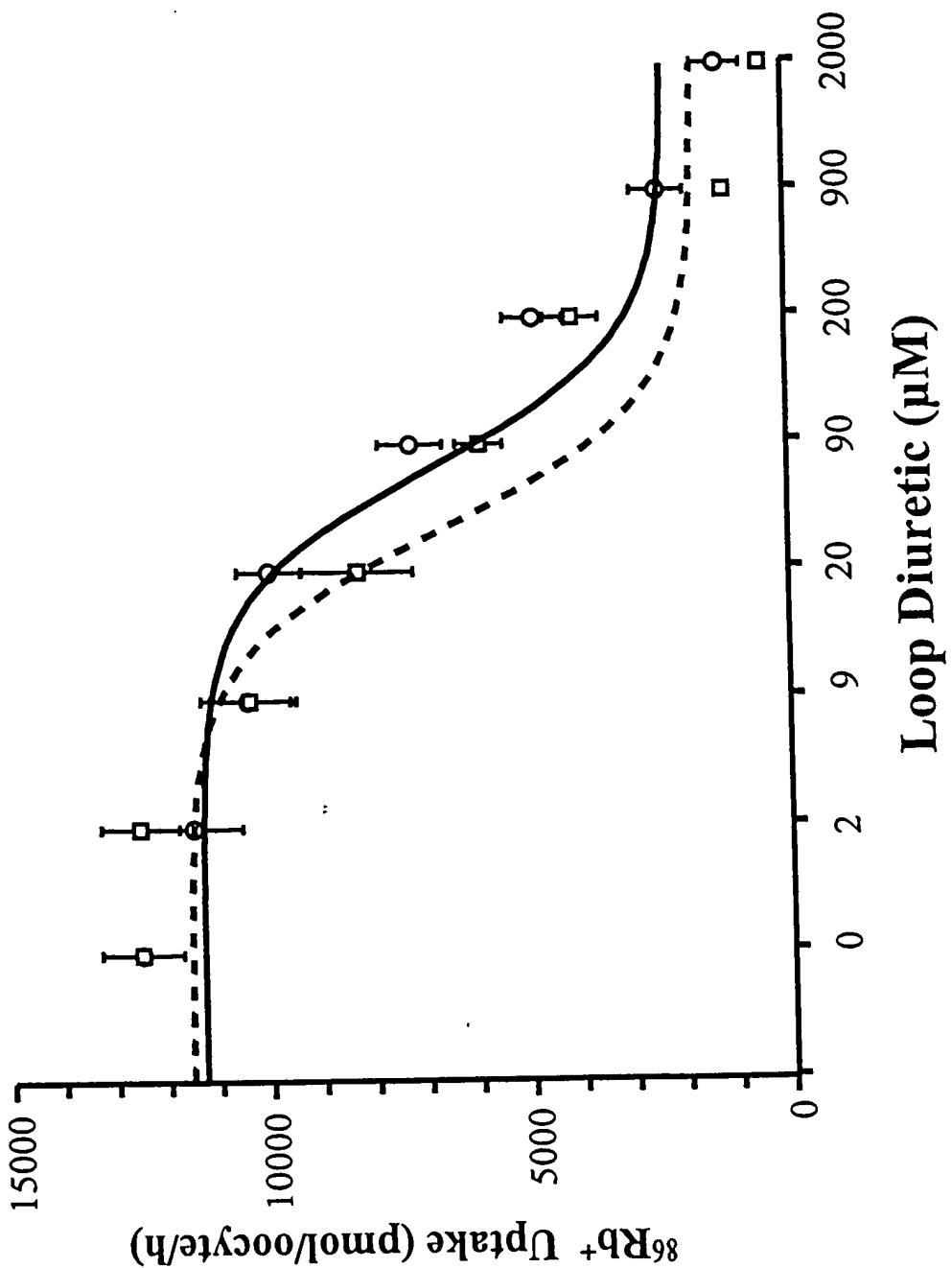
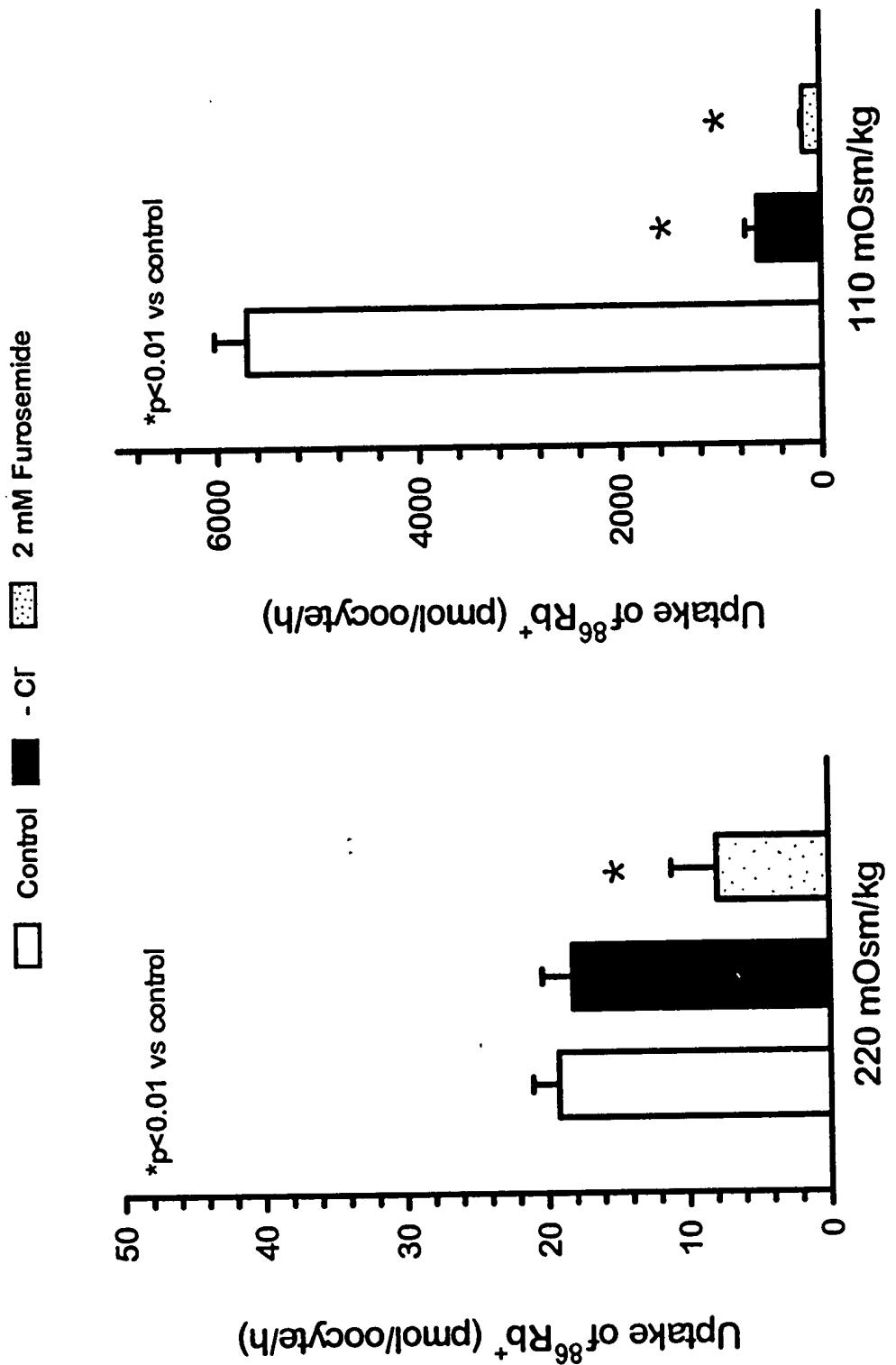


FIG. 16

COPY



Extracellular Osmolarity

FIG. 17

COPY

DIDS (100 μ M)

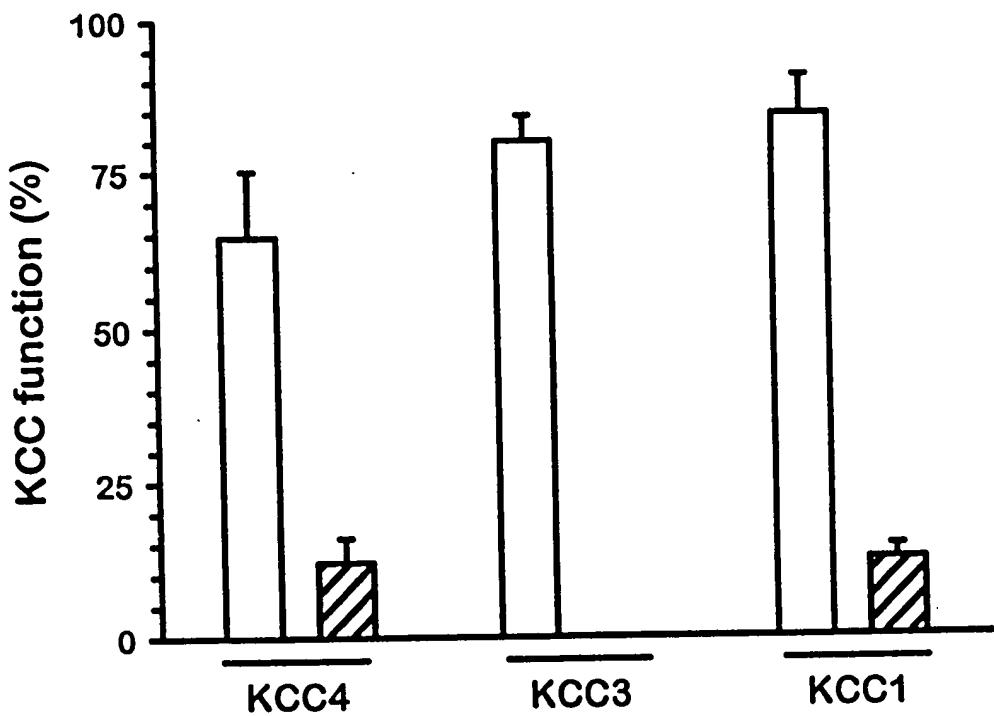
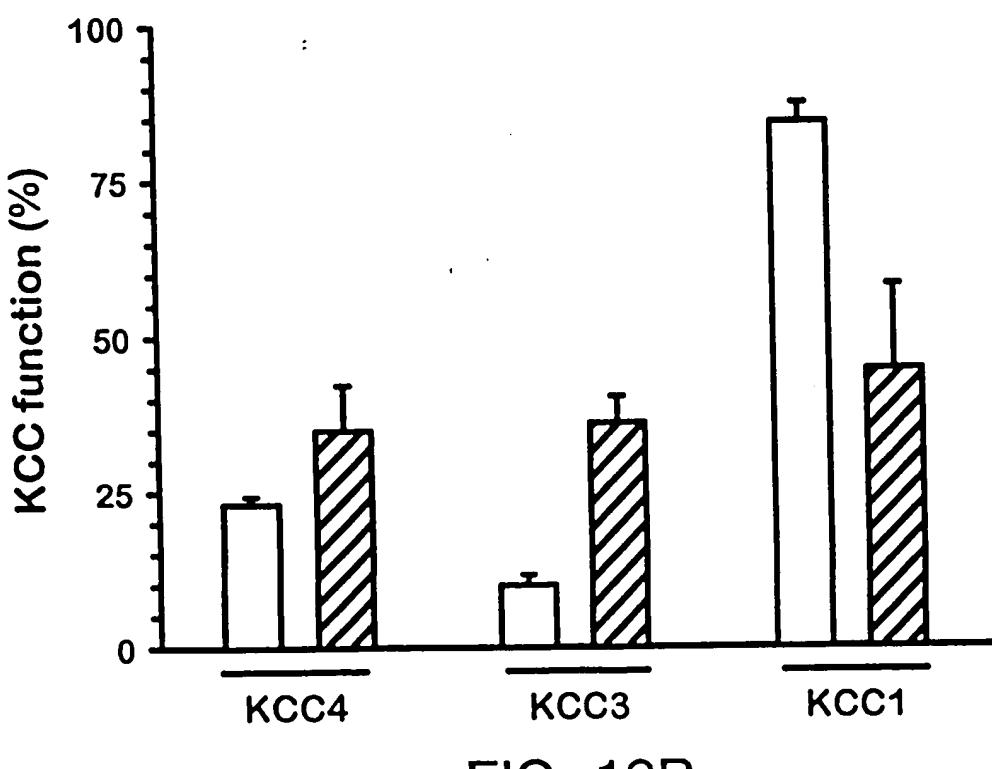


FIG. 18A

DIOA (100 μ M)



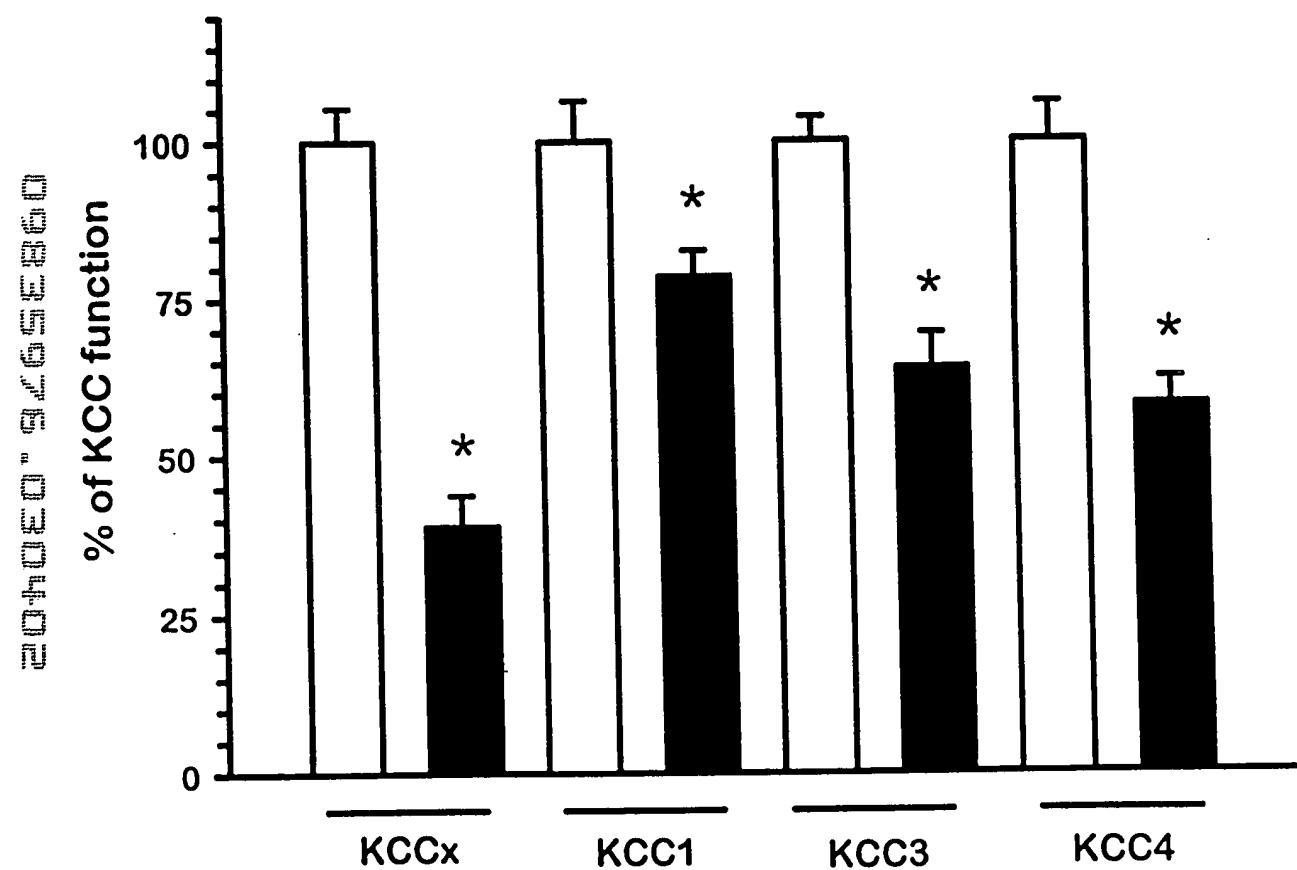


FIG. 19

COPY

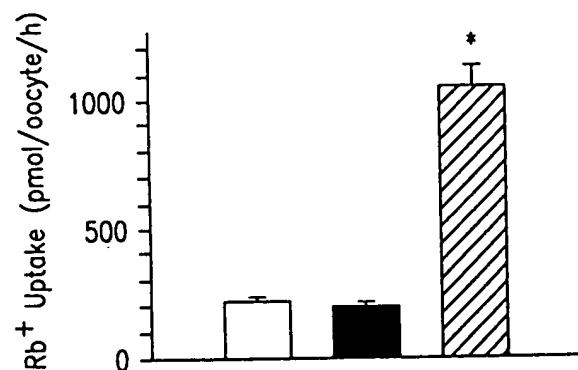


FIG. 20A

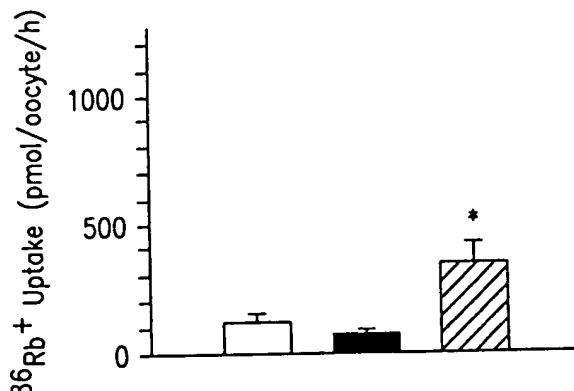


FIG. 20B

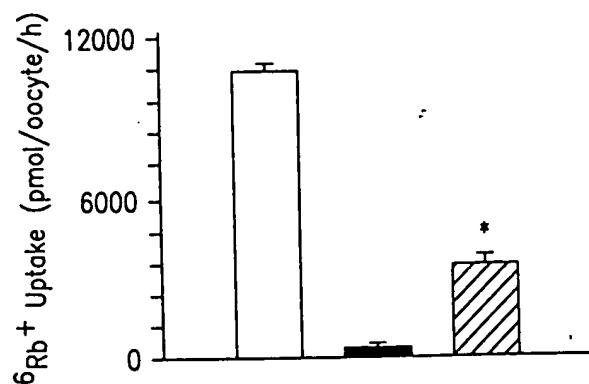


FIG. 20C

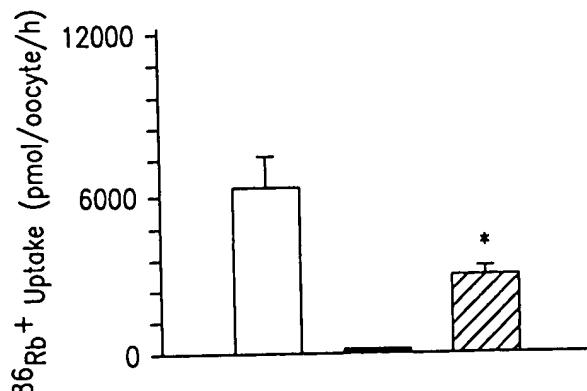
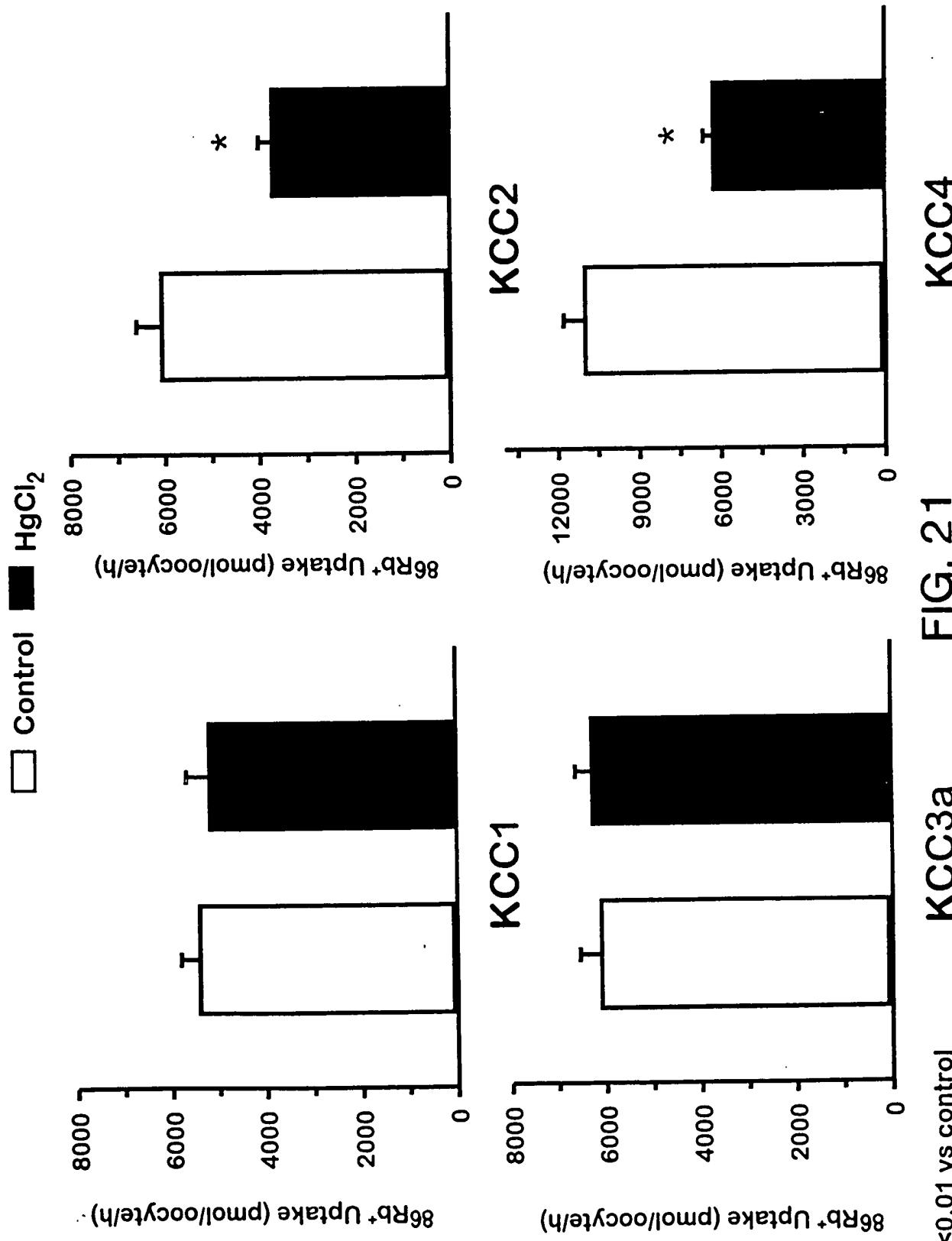


FIG. 20D

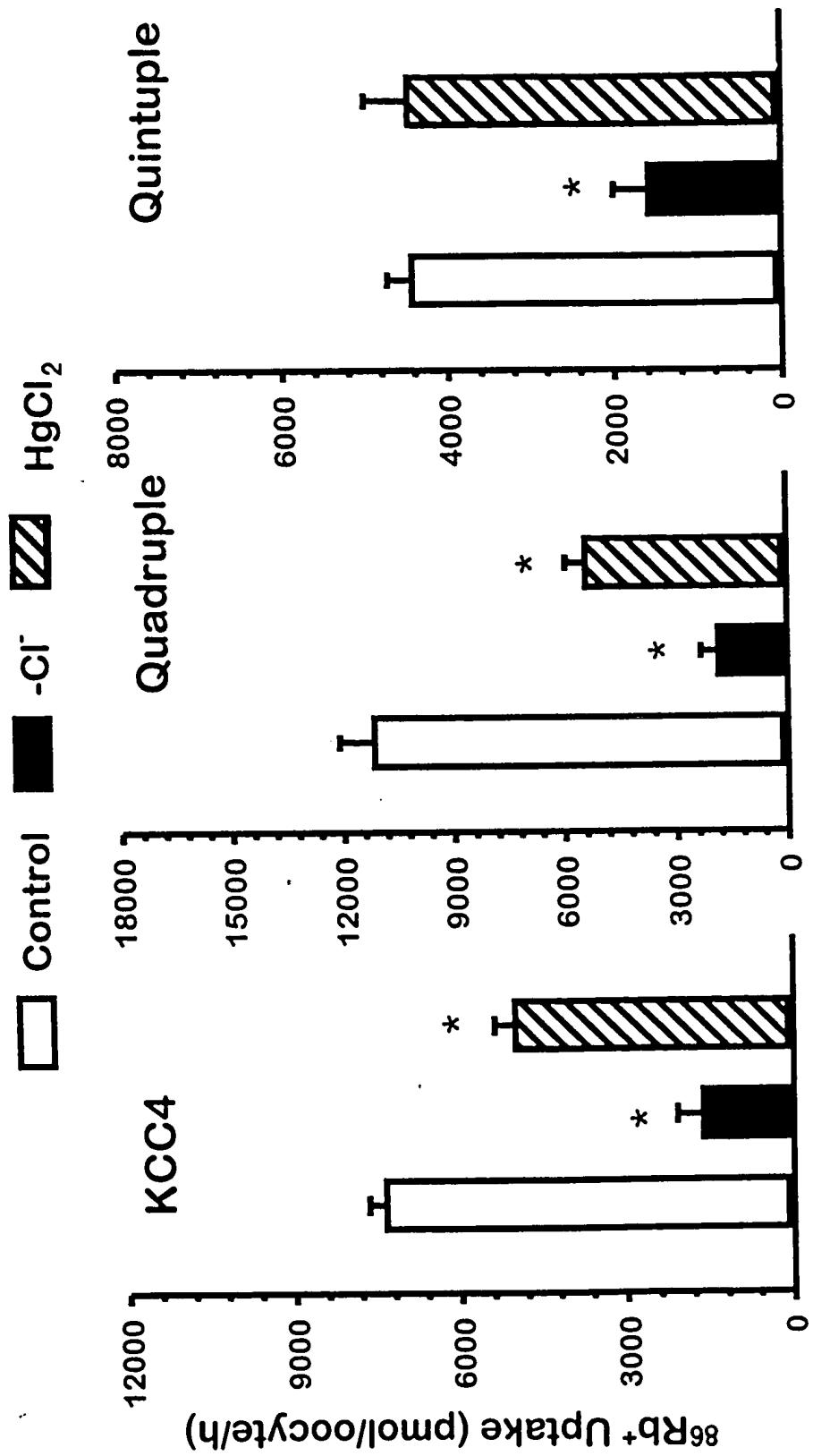


* $p < 0.01$ vs control

FIG. 21

COPY

2010 CEO "32553360



* $p < 0.01$ vs control

FIG. 22

COPY

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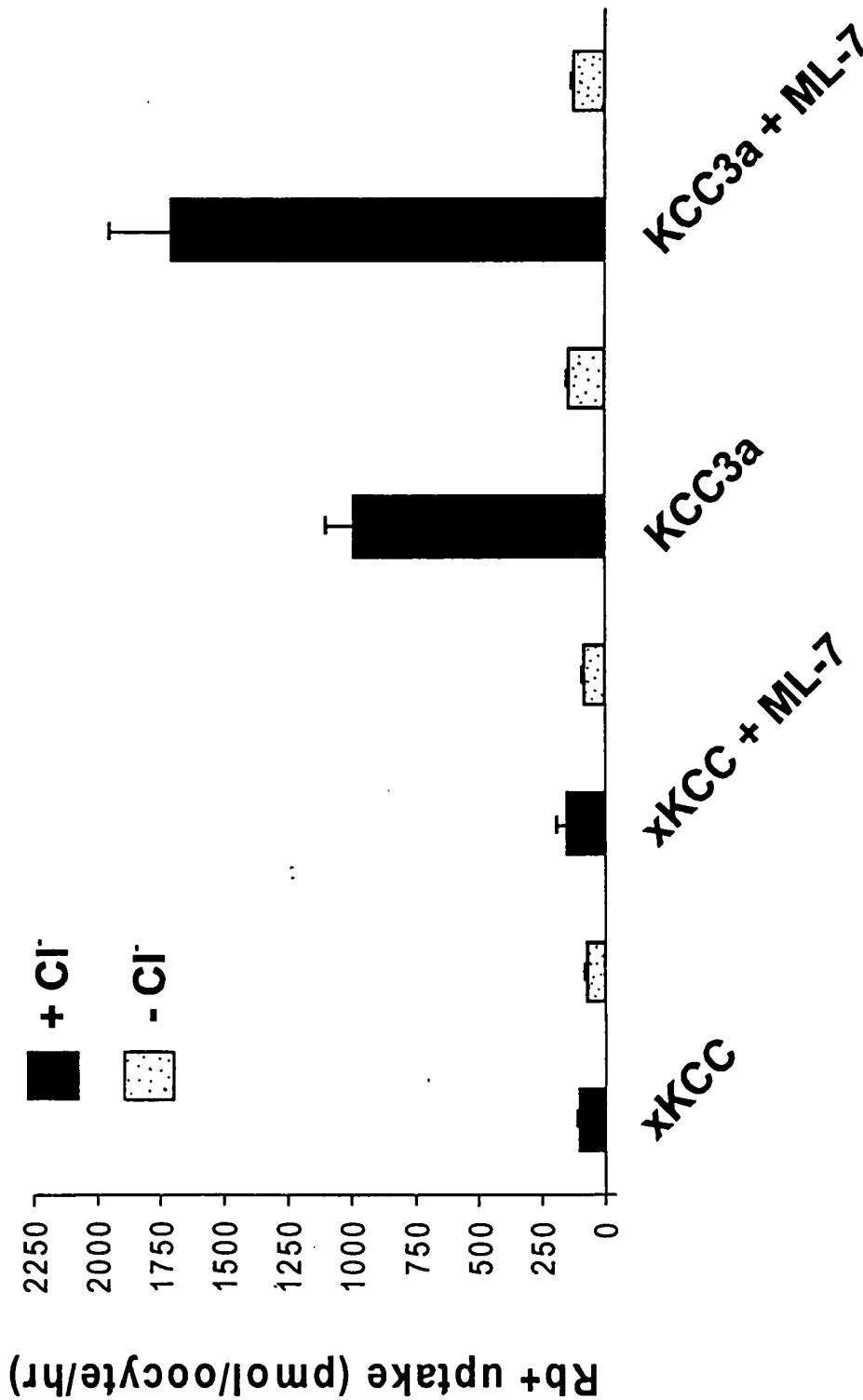


FIG. 23

COPY

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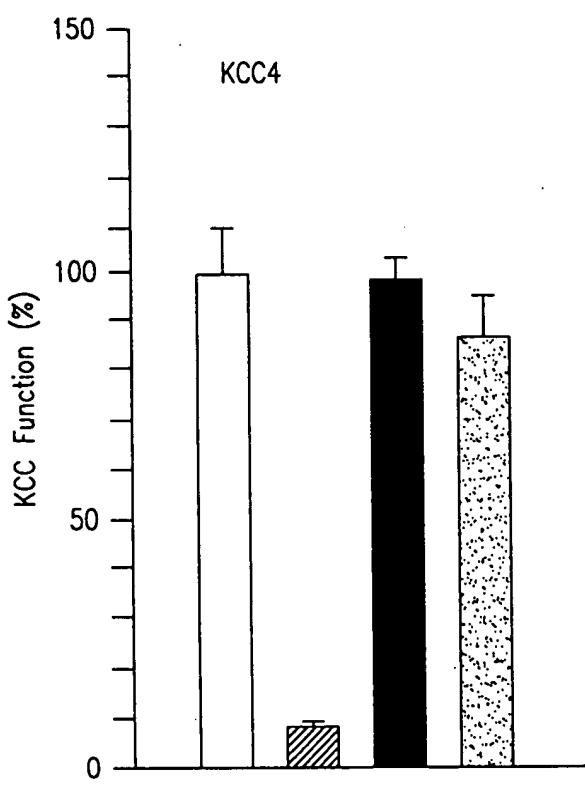


FIG. 24A

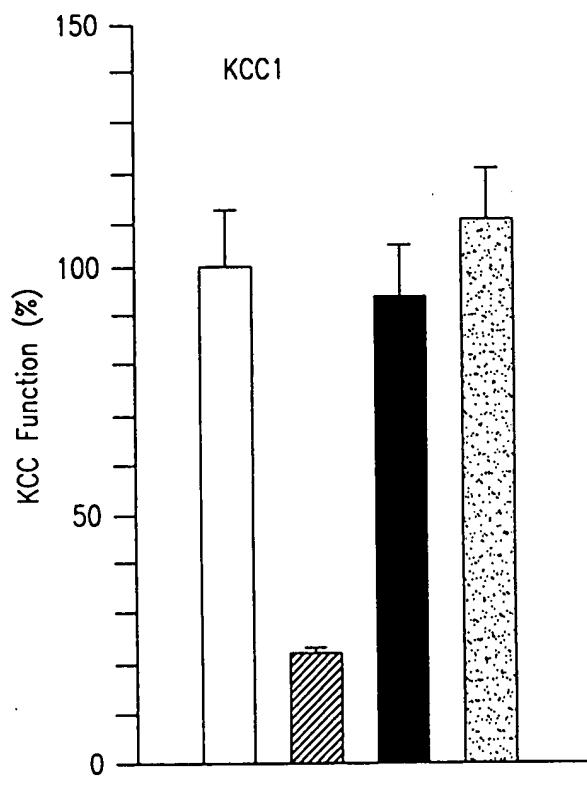


FIG. 24B

COPY

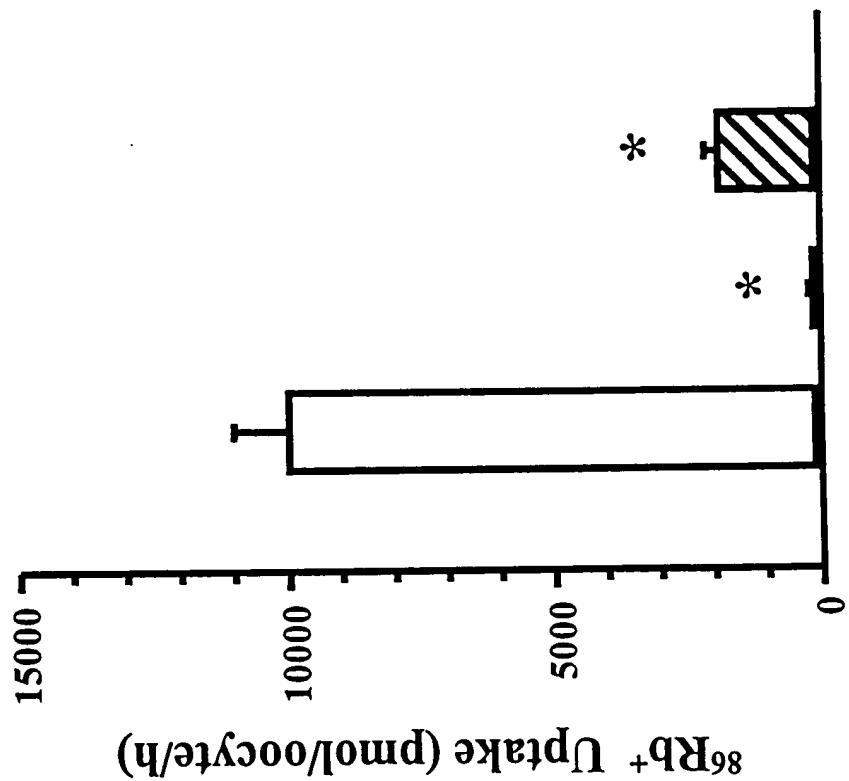


FIG. 25B

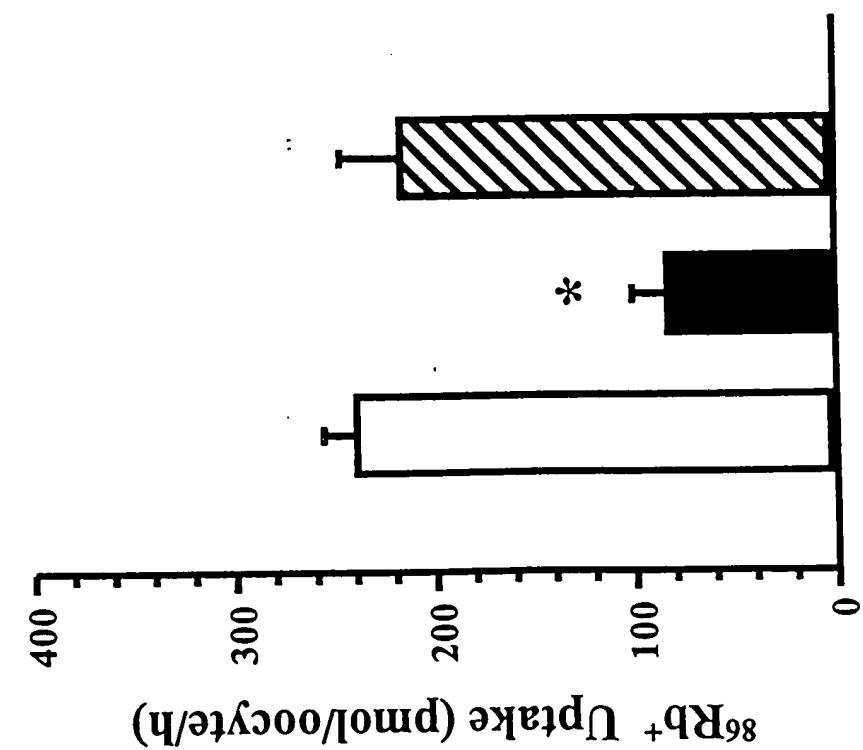


FIG. 25A

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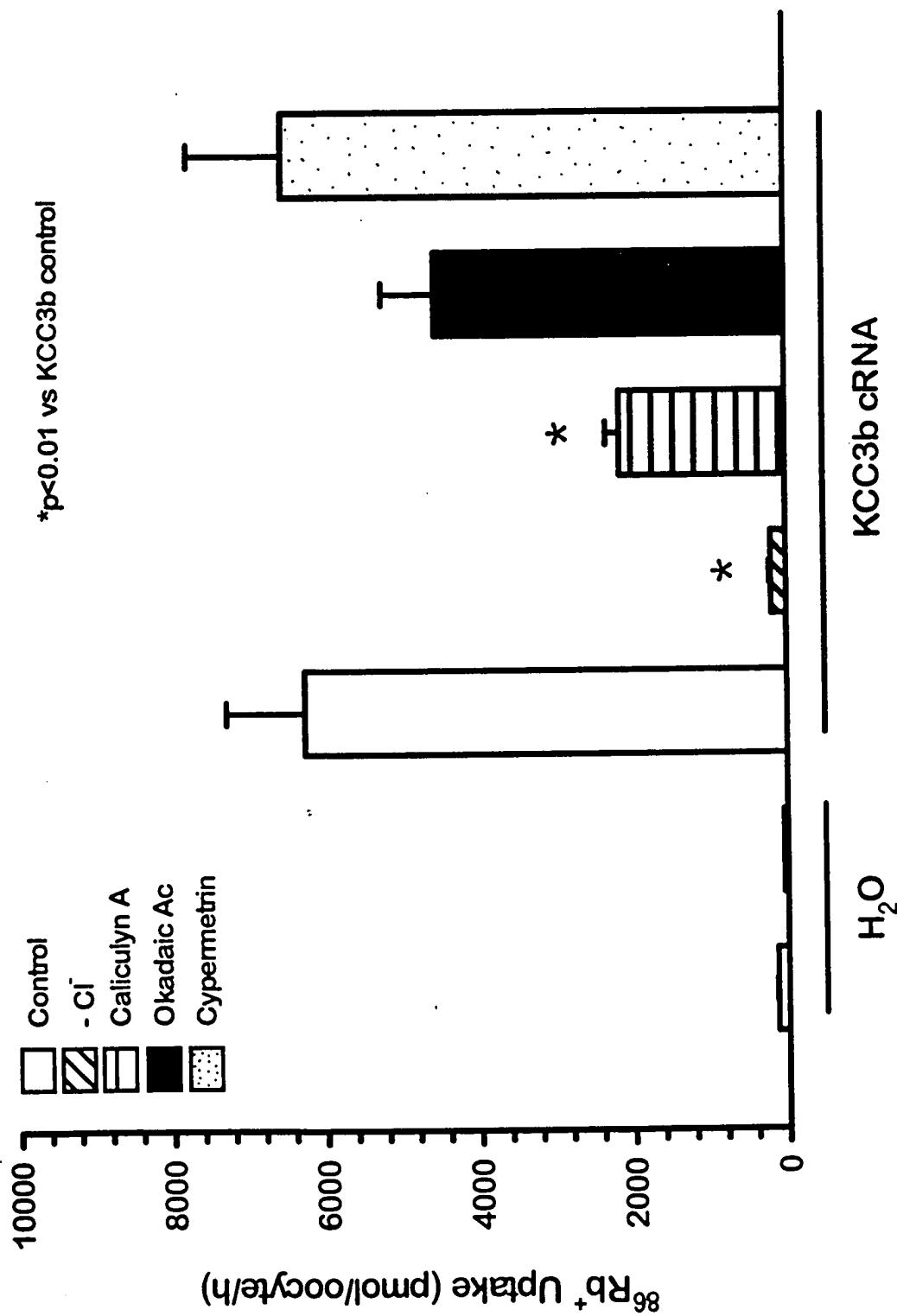


FIG. 26

COPY

KCC2/NT2-N

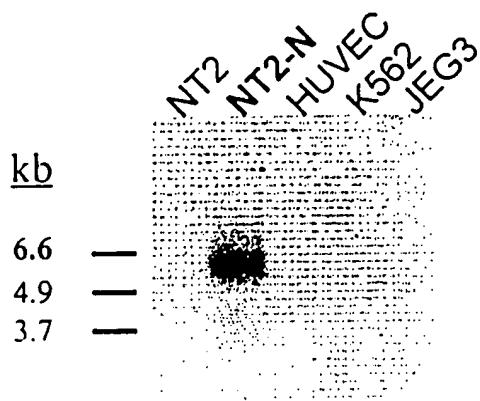


FIG. 27A

Mouse KCC3

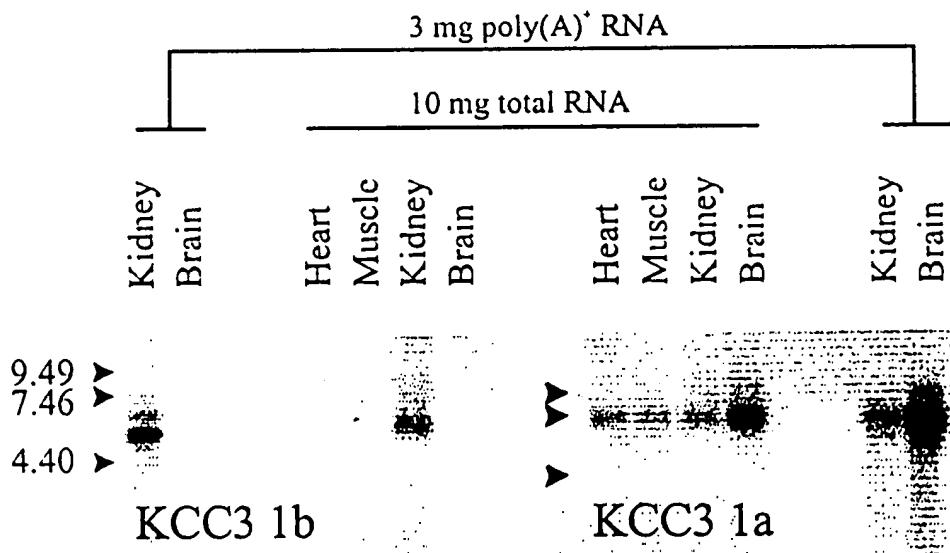


FIG. 27B

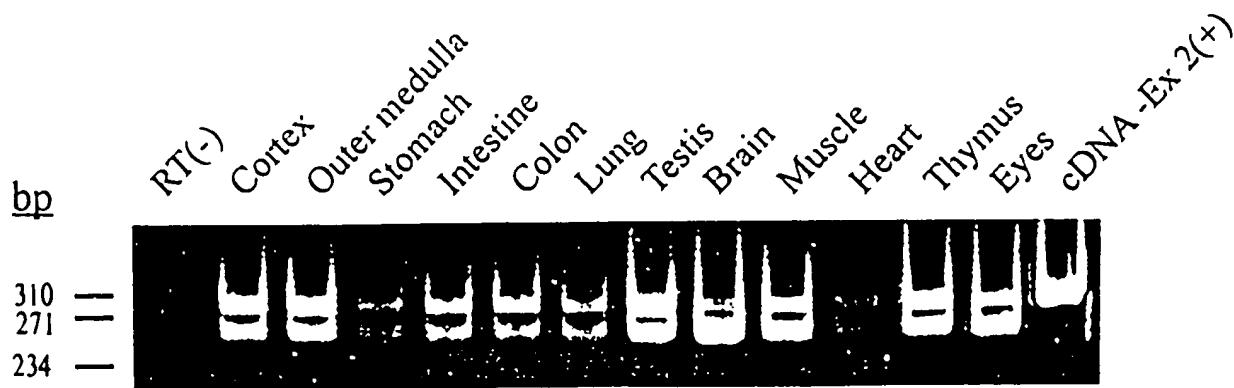


FIG. 27C

COPY

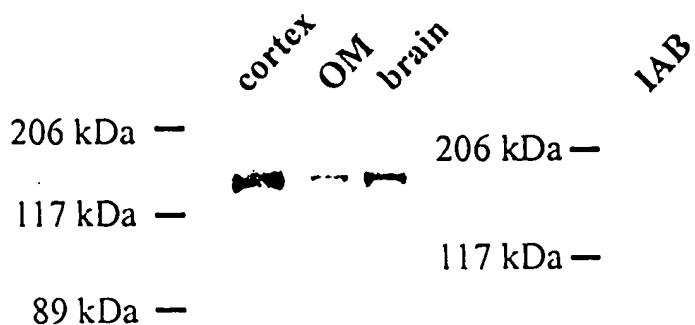


FIG. 27D

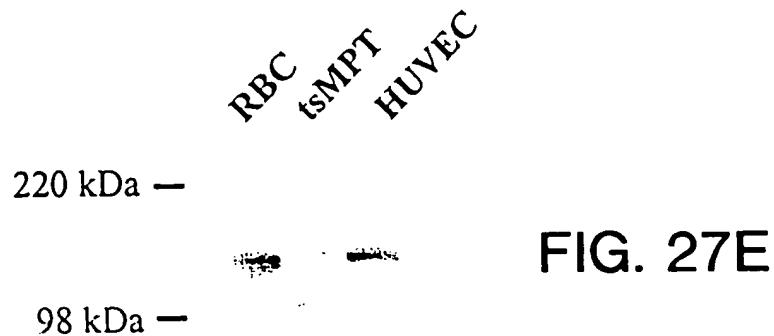


FIG. 27E

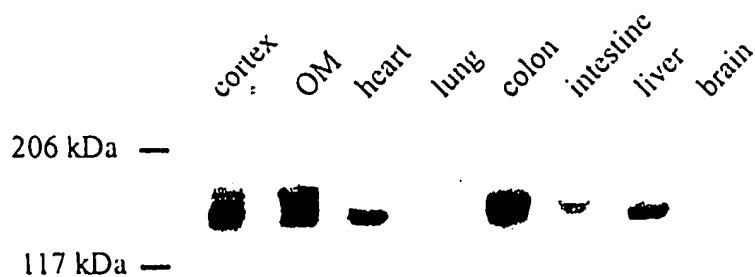


FIG. 27F

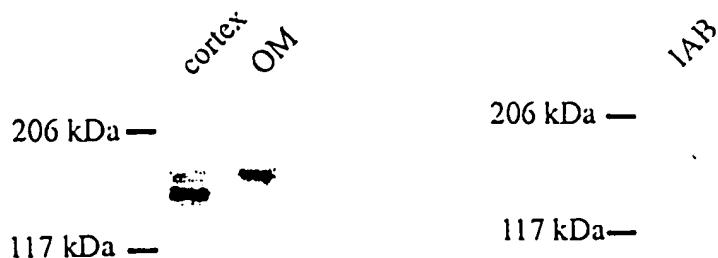


FIG. 27G

FIG. 27H

COPY

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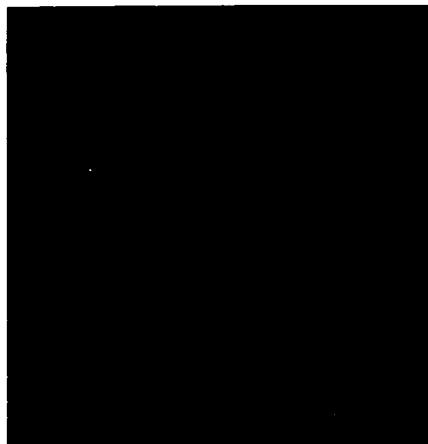


FIG. 27J



+/+ -/-

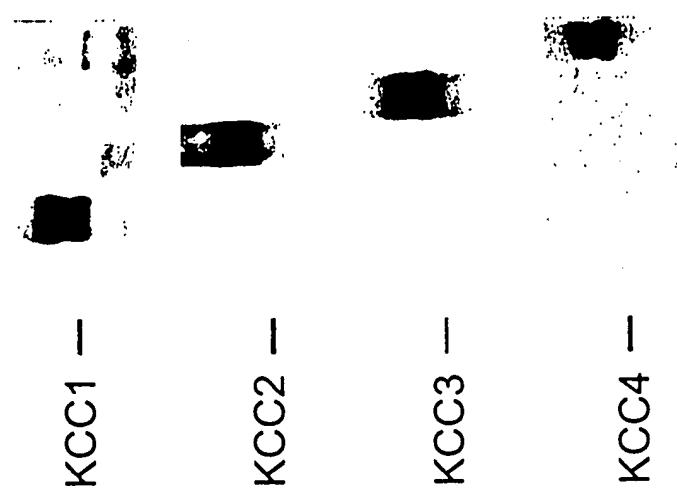


FIG. 27I

COPY

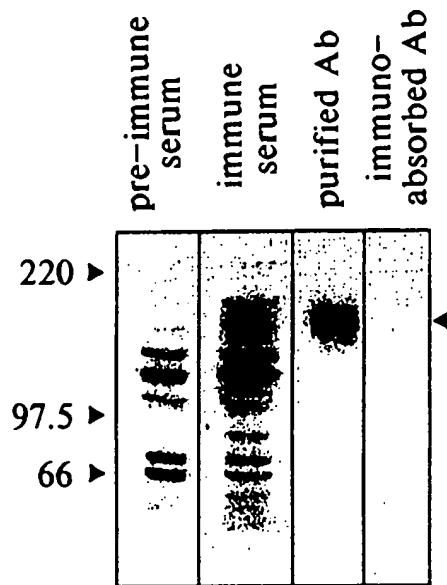


FIG. 28

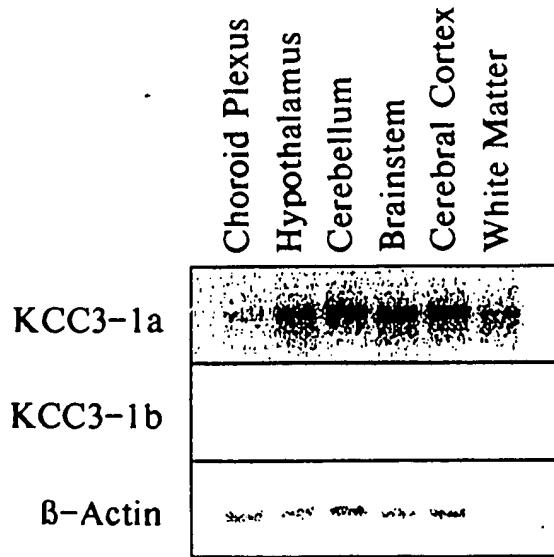


FIG. 29

COPY

FIG. 30A

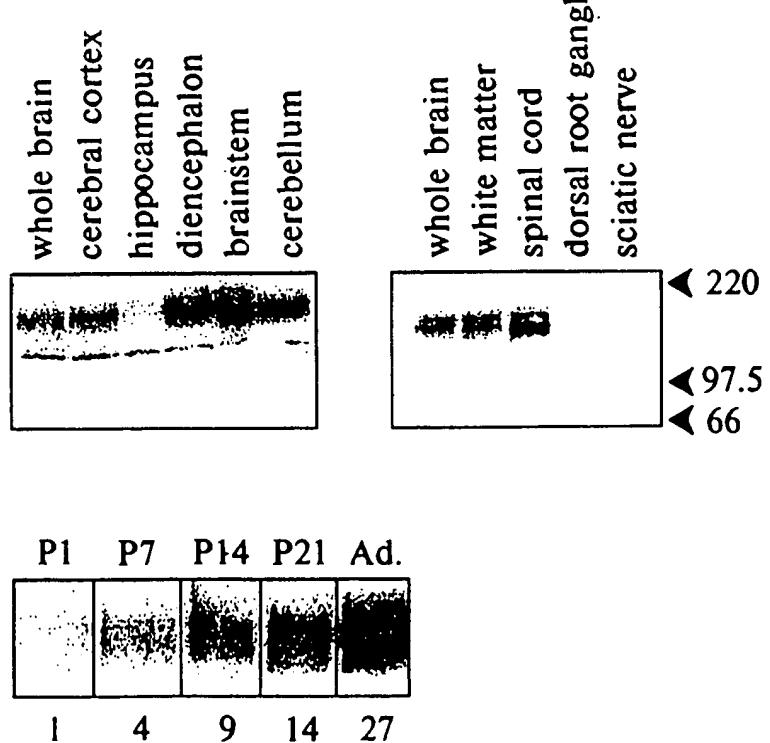


FIG. 30B

FIG. 30C

COPY

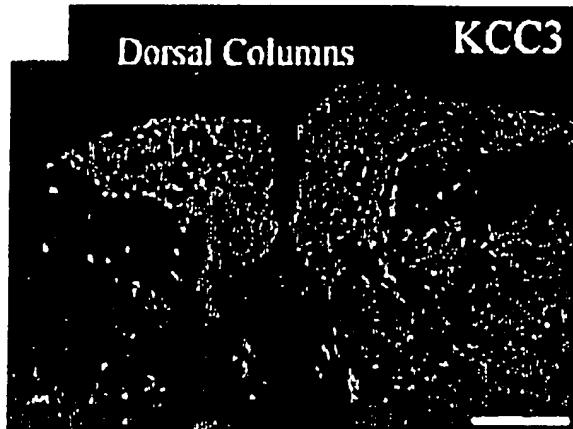


FIG. 31A

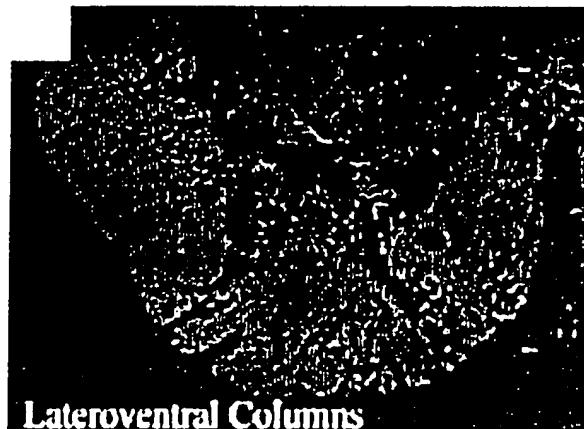


FIG. 31D

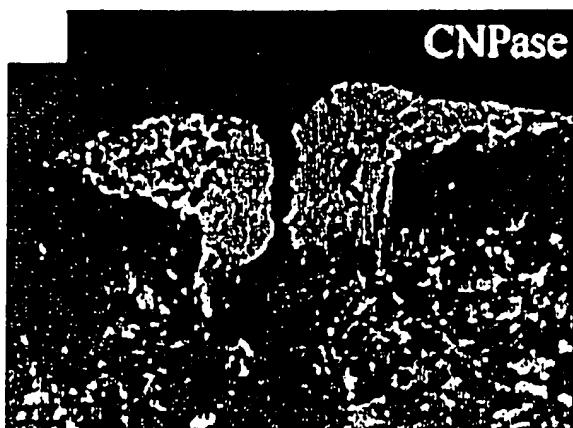


FIG. 31B

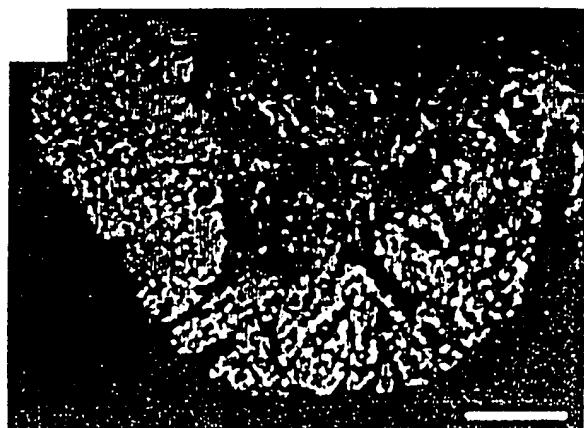


FIG. 31E

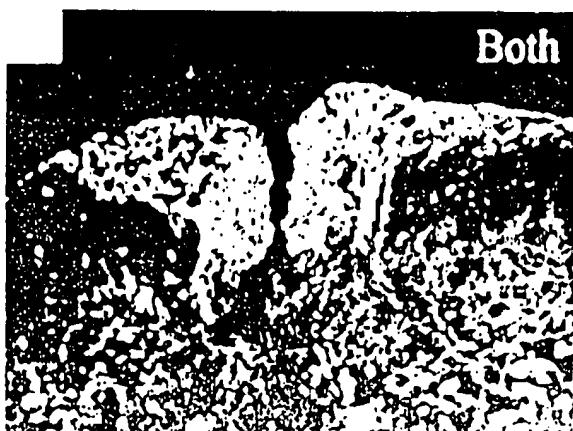


FIG. 31C



FIG. 31F

COPY

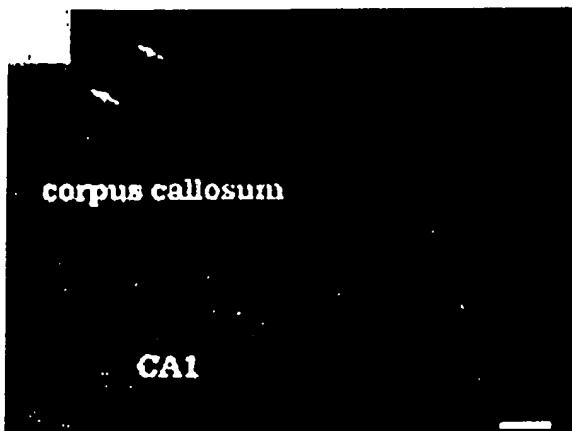


FIG. 32A

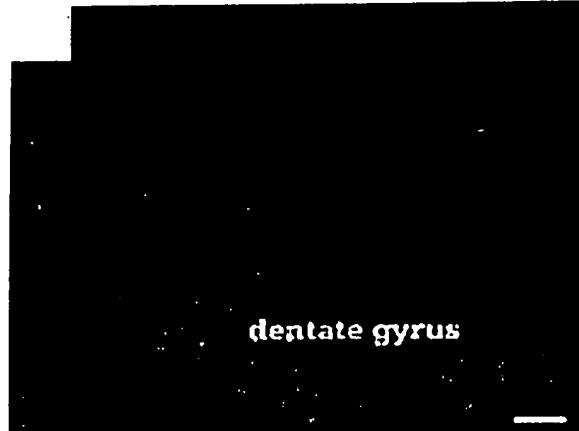


FIG. 32D

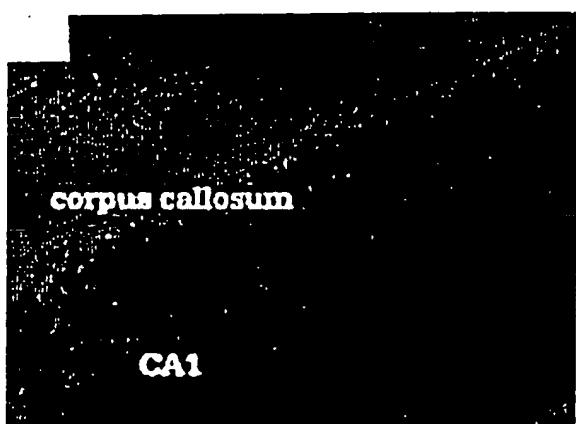


FIG. 32B



FIG. 32E

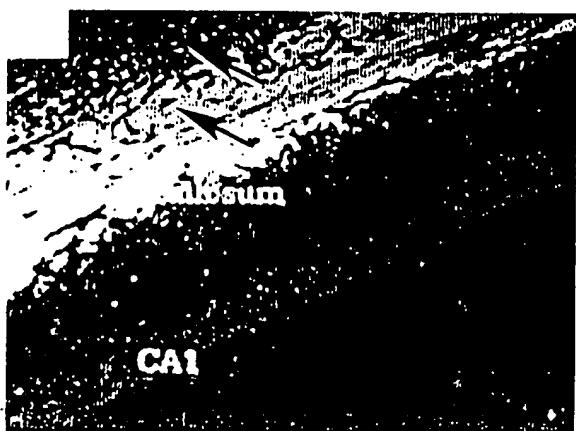


FIG. 32C



FIG. 32F

201000-000000000000

COPY

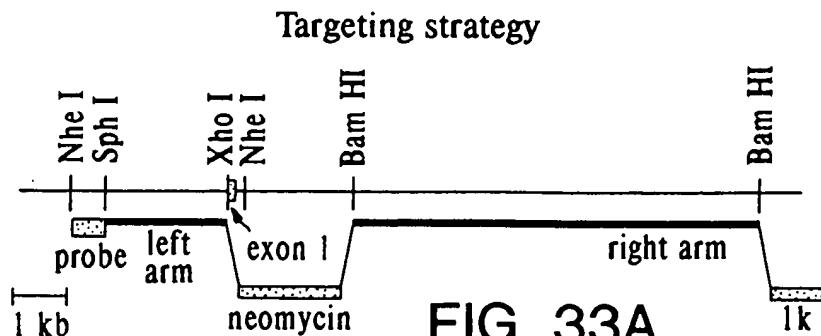


FIG. 33A

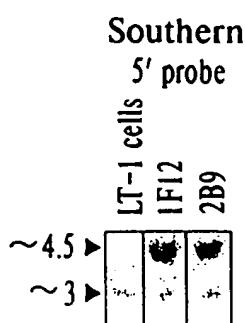


FIG. 33B

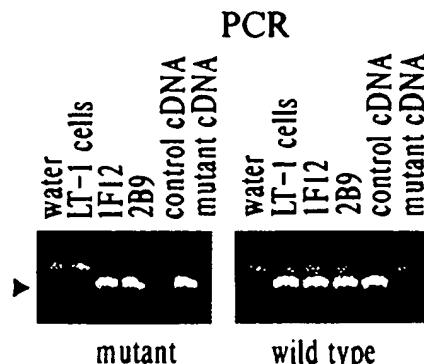


FIG. 33C

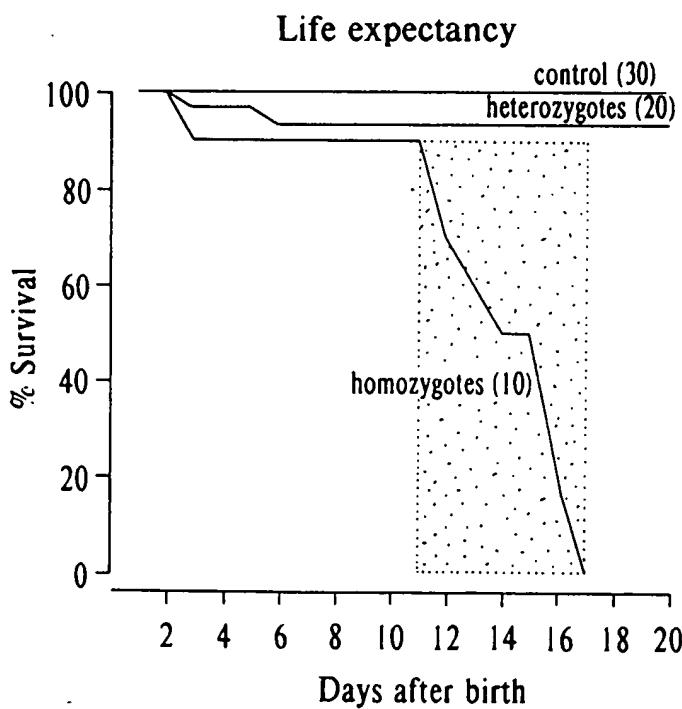


FIG. 33D

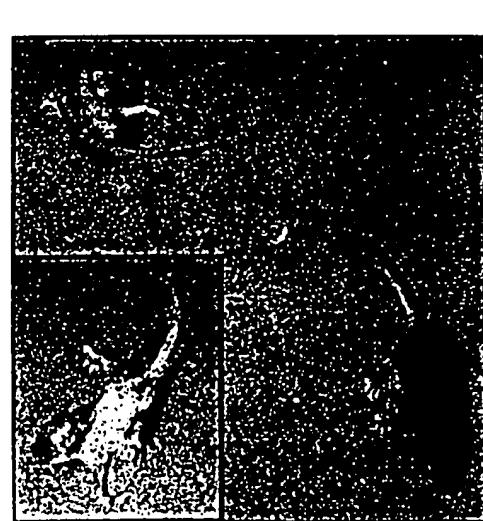


FIG. 33E

COPY

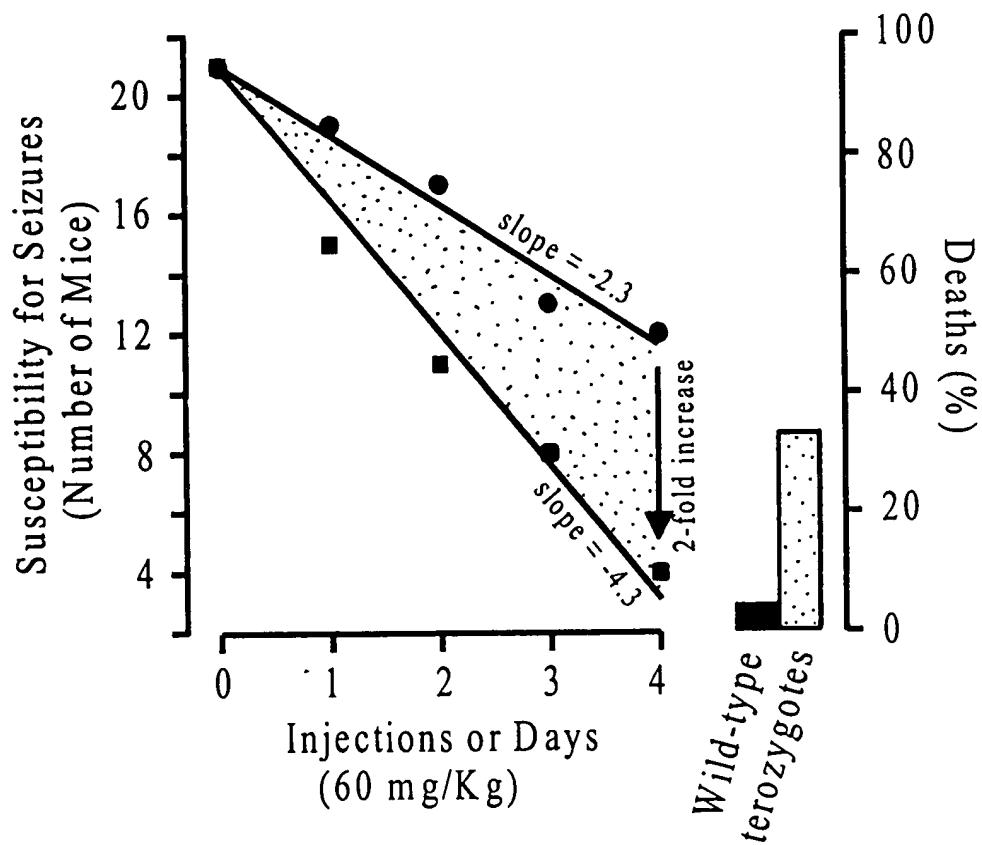


FIG. 34A

FIG. 34B

COPY

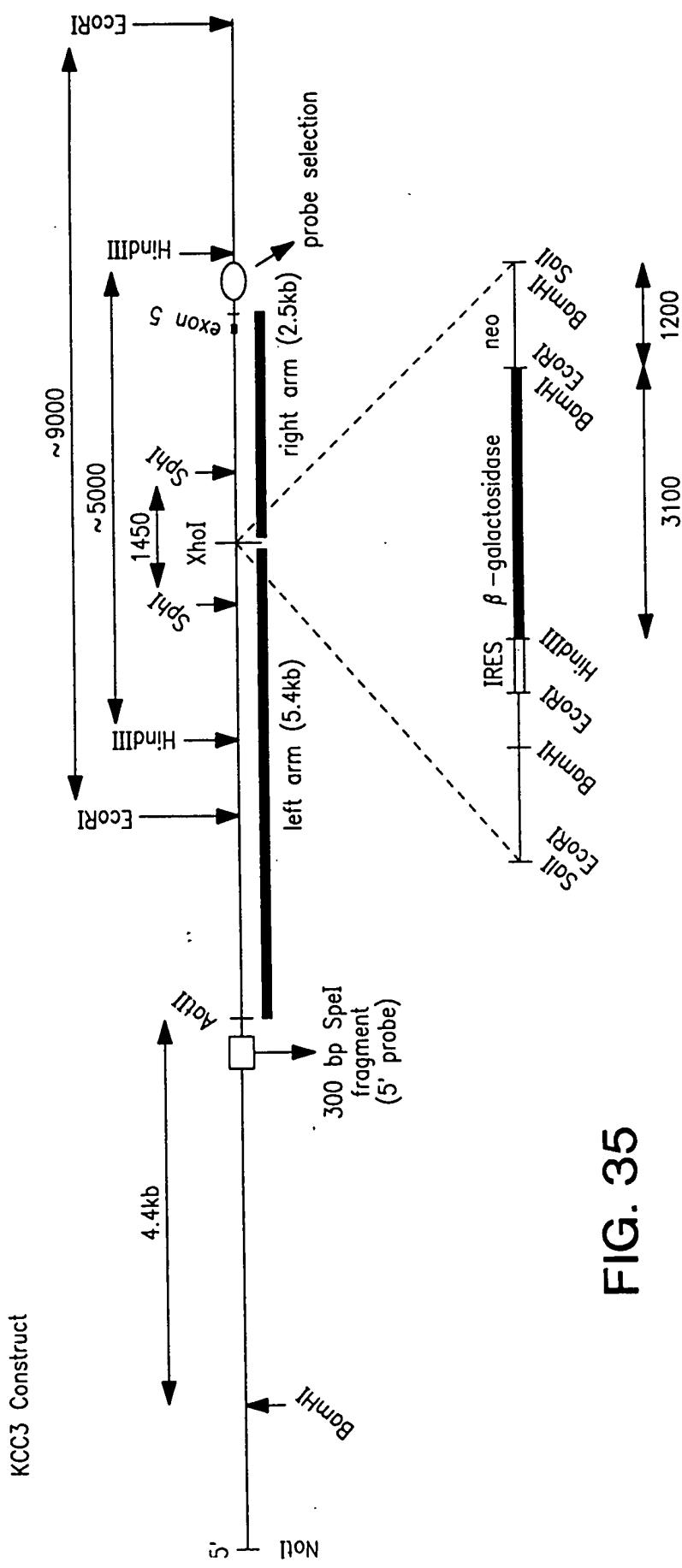


FIG. 35

COPY

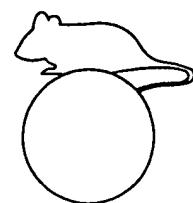
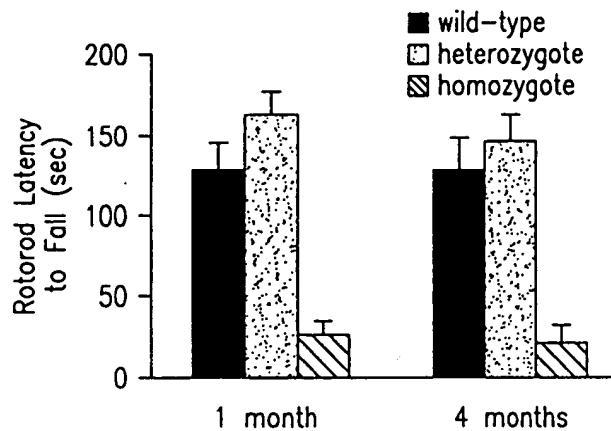


FIG. 36A

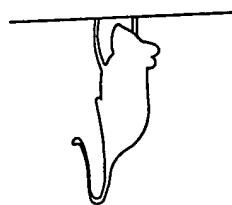
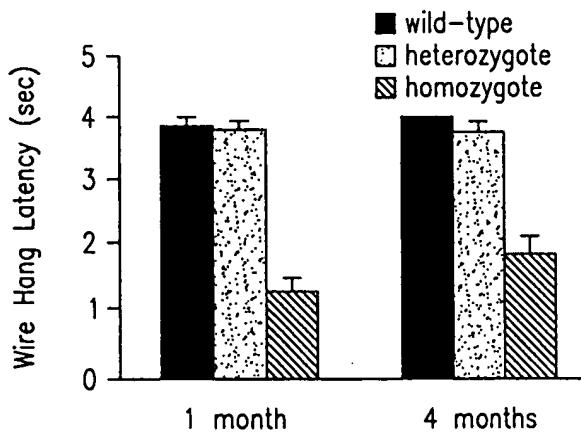


FIG. 36B

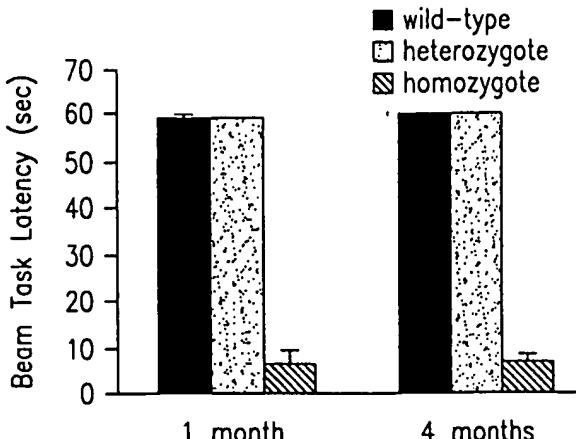


FIG. 36C

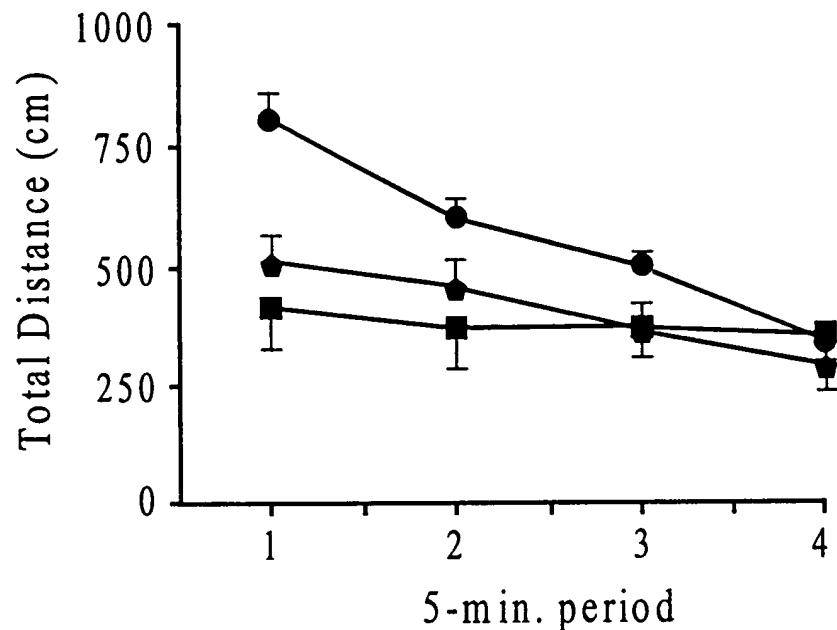


FIG. 37A

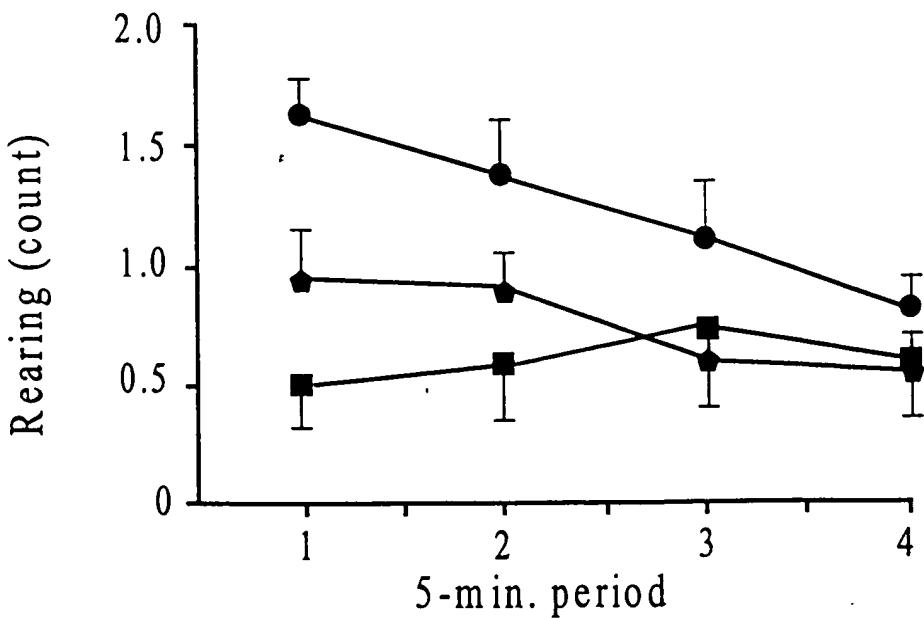


FIG. 37B

COPY

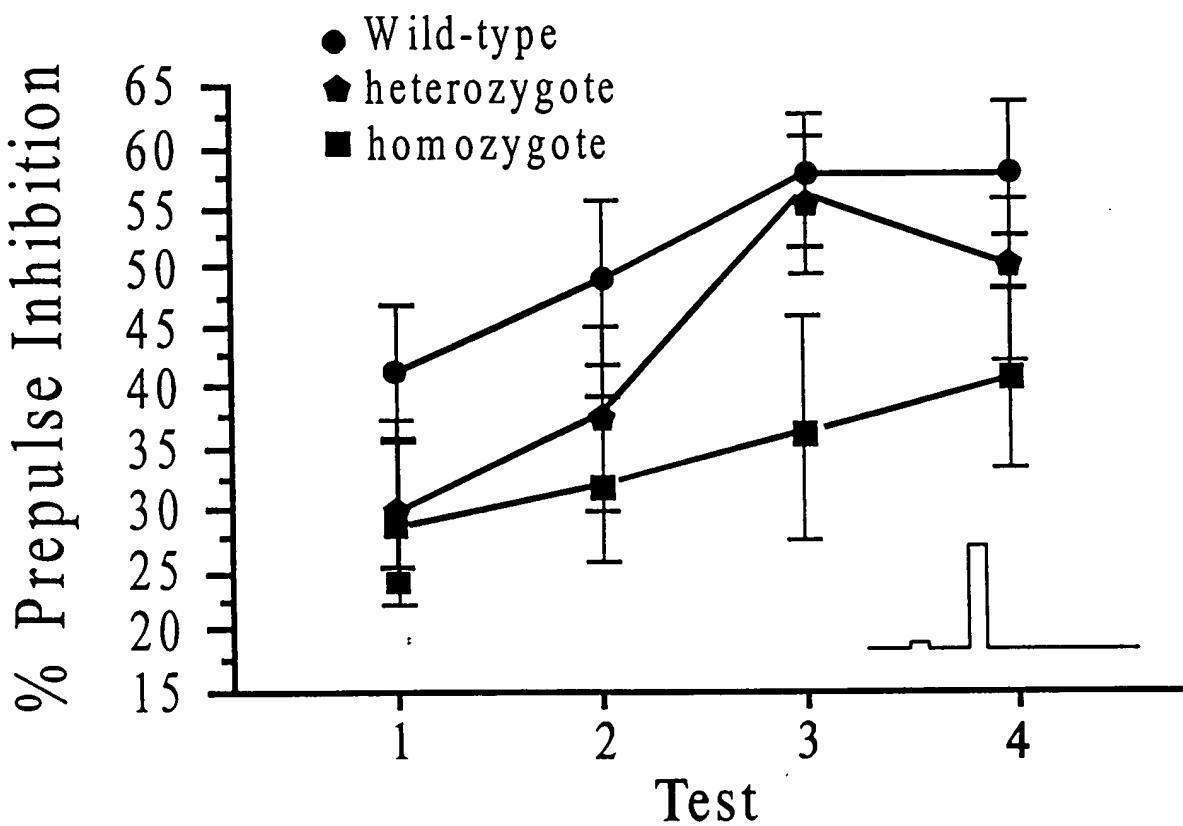


FIG. 38

COPY



FIG. 39A



FIG. 39B



FIG. 39C



FIG. 39D

COPY

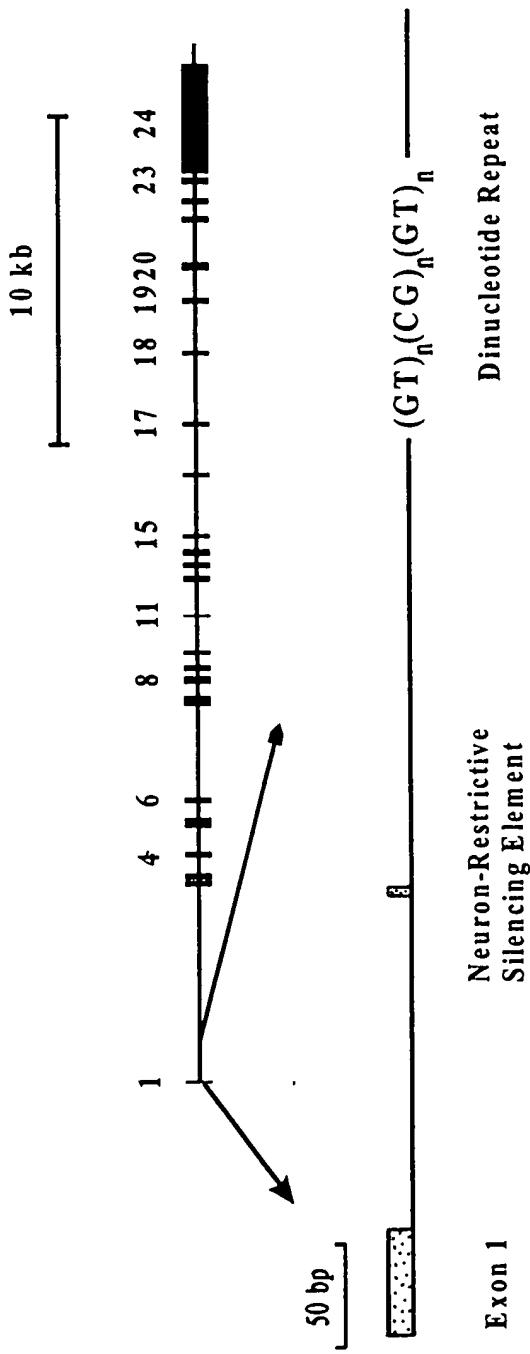


FIG. 40

COPY

Sequence of the hKCC2 dinucleotide repeat in several individuals:

Sample 1:

Allele A (GT)₁₈ (GC)₇ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 84

Allele B (GT)₁₆ (GC)₅ (AT)₁ (GT)₅ (GC)₁ (GT)₉ / Total = 74

Sample 2:

Allele A (GT)₁₈ (GC)₄ (AT)₂ (GT)₄ (GC)₂ (GT)₁₁ / Total = 82

Sample 3:

Allele A (GT)₁₆ (GC)₆ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 78

Allele B (GT)₁₄ (GC)₅ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 72

Sample 4:

Allele A (GT)₁₉ (GC)₆ (AT)₂ (GT)₄ (GC)₂ (GT)₁₀ / Total = 86

Allele B (GT)₁₇ (GC)₇ (AT)₂ (GT)₄ (GC)₂ (GT)₁₀ / Total = 84

Sample 5:

Allele A (GT)₁₇ (GC)₆ (AT)₂ (GT)₄ (GC)₁ (GT)₁₀ / Total = 80

Allele B (GT)₁₆ (GC)₆ (AT)₂ (GT)₃ (GC)₂ (GT)₁₀ / Total = 78

Sample 6:

Allele A (GT)₁₅ (GC)₆ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 76

Allele B (GT)₁₆ (GC)₅ (GT)₁ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 78

Sample 7:

Allele A (GT)₁₆ (GC)₄ (GT)₁ (AT)₁ (GT)₅ (GC)₁ (GT)₁₀ / Total = 76